CATALOG ADDENDUM 1995-1996



411 NORTH FRONT STREET WILMINGTON, NORTH CAROLINA 28401-3993 (910) 251-5100

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Calendar 1995-96

FALL 1995 Registration	95 95 95 95
WINTER 1995 Thanksgiving Holidays	95 96 96 96 96 96
SPRING 1996 Registration	96 96 96 96 96 96
SUMMER 1996 Registration	96 96 96 96 96

Cape Fear Community College is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools to award Associate in Applied Science and Associate in Arts degrees. The address and telephone number of the Southern Association of Colleges and Schools is 1866 Southern Lane, Decatur, GA 30033-4097 (404) 679-4500.

Cape Fear Community College is a member institution of the North Carolina Department of Community Colleges and the American Association of Community and Junior Colleges.

"ADMISSION TO ANY AND ALL EDUCATIONAL PROGRAMS OFFERED BY CAPE FEAR COMMUNITY COLLEGE IS MADE WITHOUT REGARD TO RACE, COLOR, SEX, RELIGION, NATIONAL ORIGIN, PHYSICAL HANDICAP OR OTHER NON-RELEVANT FACTORS."

General Information

Introduction

The purpose of the 1995-96 CFCC Catalog Addendum is to provide supplemental information on the programs and courses that have been revised during the past school year. These changes will be incorporated into the 1996-97 College Catalog.

Only the programs and policies that have changed will be listed in the addendum. Questions should be directed to the Student Development Department or to Faculty Advisors.

Mission Statement for the North Carolina Community College System

The mission of the North Carolina Community College System is to open the door to opportunity for individuals seeking to improve their lives and well-being by providing:

- Education, training and retraining for the workforce, including basic skills and literacy education, occupational and pre-baccalaureate programs;
- Support for economic development through services to business and industry; and
- Services to communities and individuals which improve the quality of life.

Mission Statement Cape Fear Community College

Cape Fear Community College is an open door, comprehensive community college that strengthens the academic economic, social and cultural life of the citizens of New Hanover and Pender counties by promoting enrichment through lifelong learning. As a member of the North Carolina Community College System, Cape Fear Community College fully supports the system mission and fulfills its purposes by:

- Focusing on vocational, technical, pre-baccalaureate, basic skills and literacy education, and continuing education programs and services.
- Recruiting, enrolling, advising and retaining a diverse student body;
- Recruiting, retaining and developing a qualified and diverse faculty and staff who are dedicated to quality education and service to the College and the community;
- Evaluating existing programs and implementing new curricula to serve the changing needs of the service area:
- Providing financial, academic, geographical and technological programs and support services to help students succeed, and

 Interacting and cooperating with others to encourage, promote and facilitate economic and community development.

CFCC Strategic Goals for 1995-96

- 1 Improve program quality.
- 2. Reduce over-dependence on part-time instruction in academic disciplines.
- Foster institutional excellence in instruction and instructional support services.
- 4. Promote diversity at all levels within the institution.
- Increase access to all college programs, with particular emphases in occupational extension programs designed for business and industry and in community-based adult basic education.
- 6. Strengthen institutional development efforts including marketing, institutional effectiveness, and fundraising.
- 7. Reduce non-instructional costs and improve administrative efficiency.
- 8. Enhance student life.
- 9. Develop an effective enrollment management system including improved enrollment, advisement processes, and goal achievement.
- 10. Upgrade information technologies.
- 11. Forge stronger linkages with business and industry, governmental agencies, and other employers in order to stimulate economic development and to enhance job opportunities for graduates.
- 12. Maintain or increase professional development opportunities for faculty and staff.
- Maintain aggressive schedule for construction of new facilities.

Admissions Process

(See 1994-96 Catalog for complete Admissions Process) Official College Transcript(s)

Official college transcripts from all institutions of higher education previously attended must be submitted to CFCC.

Admission of Transfer Students

(Proposed policy to be presented for approval by CFCC Board of Trustees at the September 28, 1995 meeting.)

1. Transfer students must complete CFCC's admission requirements as stated in the College Catalog.

- Credits are transferred from regionally accredited institutions. Courses are transferred that compare in content, quality and credit hours to those offered at CFCC.
- 3. Only courses with a grade of "C" or better will be transferred from other institutions to CFCC.
- Credits transferred from other institutions will be denoted on the student's CFCC transcript by "CT" (Course Transfer). Grades achieved at other institutions will not be used in the grade point average computation at CFCC.
- Credit gained through advancement placement testing, experiential learning or proficiency testing will not be transferred directly as course work. See the college catalog section addressing those topics.
- 6. Students should submit copies of all transcripts early enough so that evaluation of transfer credit can be completed prior to registering for classes. Transfer credit for those transcripts received during the registration process will be completed by the end of the first quarter of enrollment.
- 7. To receive a degree from CFCC, transfer students must complete at least 25 percent of program requirements at CFCC.

Admission of Transient Students

(Proposed policy to be presented for approval by CFCC Board of Trustees at the September 28, 1995 meeting.)

Transient students are those who are admitted and enrolled in another college or university and wish to enroll in CFCC as a full-time students for one quarter.

Transient Students must:

- 1. Submit a completed CFCC Admission Application
- Submit written permission from their "home" institution to enroll in CFCC
- 3. Provide verification of completion of applicable prerequisites prior to enrolling in CFCC courses

Student Records

CAPE FEAR COMMUNITY COLLEGE RESPONSIBILITIES UNDER THE FAMILY EDUCATIONAL RIGHTS AND PRIVACY ACT OF 1974 (THE BUCKLEY AMENDMENT)

Under the Family Educational Rights and Privacy Act of 1974, the rights of the student and the responsibilities of the institution concerning the various types of student records maintained by the institution are established. Consistent with this legislation, Cape Fear Community College establishes the

following policy to ensure compliance. Failure to comply with standards prescribed in the Act could jeopardize federal funding received by the institution and its students. This policy will be published annually in the Student Handbook.

Rights of Students

In compliance with the law, an individual becomes a "student" when he/she registers for the College. Upon reaching age 18 or attending an institution beyond the high school level, the student has the right to view his/her own school or college records. These records include the academic transcript of the College, post-secondary transcripts, high school transcripts, and other documents maintained as part of the student's permanent file with the exception of confidential letters of recommendation. All permanent academic records are housed and maintained by the Registrar of the College.

CFCC requires written authorization from the student prior to release of academic records. A minimum of 48 working hours will be required by the College to assess the requested academic information. The student may inspect, copy, and review his/her records in the registrar's office. There may be a charge for copies.

Rights of Parents

Parents of a child who is under the age of 18 and has never attended an educational institution beyond high school level has the right to inspect and review that child's academic records. After a student reaches the age of 18 or enters a post-secondary institution, the parent will be denied access to the student's academic record unless the student gives written consent. The College assumes that all students are independent adults attending an institution designed for adult education. Parents do have the right to review the academic records of their child if they are claiming the child as an income tax deduction; however, they must show proof of the claim.

Rights of Faculty

The faculty of the College has a legitimate educational interest in a student's academic records. Therefore, access to those records is authorized by the institution. Along with this access comes certain obligations and responsibilities.

A faculty member shall not access educational records of any student for which he/she does not have a direct advisory responsibility. Those with "direct advisory responsibility" include the current instructors of the student, the student's faculty advisor, and the appropriate department head and division chair. A faculty member not professionally associated with a student shall not access educational records of the student without the written consent of the student.

A faculty member shall not disclose any information from a student's record to a third party (i.e., other students, other faculty members, employers, etc.) without the written consent of the student. Parents of the student do not have special access rights and should not be given information without the student's written consent.

A faculty member shall be responsible for the security of all academic information in his/her possession. These records must not be accessible to other students and unauthorized personnel.

A faculty member shall refrain from disclosing academic information by phone without the expressed written consent of the student.

Rights of Administration

Student Development and specifically the Office of the Registrar, has the responsibility of maintaining and safeguarding the academic records of all students of the College. Consistent with this responsibility, the personnel of Student Development will access student records as needed. However, these individuals bear the responsibility for ensuring that no unauthorized disclosure of student academic information occurs without the expressed written consent of that student.

The President, Vice-President and Deans of the College may access student records when needed to facilitate the student's educational pursuit.

Educational records of a student will not be accessed for employment decisions without the expressed written consent of the student. Information from student academic records may be shared in aggregate for educational research purposes.

Directory Information

Directory information includes name, major field of study, full time/part time attendance, the most recent college attended, dates of attendance, and degrees and awards received.

Students have the right to withhold disclosure of any directory information by completing a request for non-disclosure in the registrar's office. Requests for non-disclosure must be filed annually. The College assumes that student's failure to file a request for non-disclosure indicates approval for disclosure.

The complete text of The Buckley Amendment is available for review in the Office of the Registrar.

Proficiency Examinations

For selected courses, students may request credit by proficiency examination for previous experience or training. The student must be currently enrolled at CFCC, and must not have enrolled in the course prior to taking the proficiency exam and must make written application to the registrar and the department chair. Students may challenge a course only once. Students successfully passing a proficiency exam will receive credit for the course as a CR (credit for record).

Satisfactory Progress Standards

Each student is expected to make satisfactory progress toward obtaining a degree or diploma. At the end of each quarter, a student's Grade Point Average (GPA) is examined. The minimum cumulative GPA for remaining in good standing is as follows:

Attempted Credit	Diploma	Degree
Hours		
1 - 23	1.25	1.25
24 - 40	1.40	1.40
41 - 59	1.70	1.55
60 - 80	2.00	1.75
81 - 90		1.90
90 or more		2.00

Requirements for Graduation

To receive the Associate in Applied Science Degree, Associate in Arts Degree, the Associate in General Education Degree, or a Diploma, a student must maintain satisfactory grades in all laboratory and class subjects and an overall "C" average or a grade point average of at least 2.00. Degree recipients must earn a minimum of 25 percent of credit hour requirements at Cape Fear Community College.

All CFCC graduates will possess competency in the basic use of computers. Students in programs not requiring specific computer competencies will be required to pass the Basic Computer Proficiency exercise offered through the Academic Enhancement Center. Individual instruction is available in the AEC for students needing assistance with basic computer competencies. Results will be forwarded to Student Development and added to the student's academic record prior to graduation .

Graduating students must file an application for graduation with the Registrar's Office during the Fall Quarter prior to Spring and Summer graduation.

Center for Academic Enhancement

On the sixth floor in the rear of the library, students may receive individual and small group instructional assistance in Technical, Vocational, College Transfer and General Education courses after submitting a signed Instructor Recommendation Form. Assistance in the CAE has been designed to help students acquire needed skills in curriculum courses that will allow them to be successful in their studies.

The CAE maintains a resource of software programs that students can use to review and increase skill level in a variety of courses. The supplemental computer assisted instruction is available on an individual student basis.

There is also an open lab section in the CAE that is open to students, faculty, staff, and community patrons. The open lab has a wide selection of software programs that are used by Cape Fear instructors as well as by business and industry.

COLLEGE TRANSFER

The College Transfer program is designed to provide a broad background in the core courses of a liberal arts curriculum comprising the first two years of a four-year baccalaureate degree.

All college level courses that a student completes with a "C" or better grade will generally transfer to most senior institutions. However, since requirements vary, it is the responsibility of each student to determine the specific requirements of the senior institution to which he or she plans to transfer. The student should also be advised that while individual courses may be considered for transfer credit, most institutions give preference to applicants who have completed the Associate in Arts Degree.

A student is eligible to be granted the Associate in Arts Degree upon completion of 96 quarter hours credits including all required minimums outlined in the following listing. Only courses numbered 150 to 199 and 250 to 299 may be included for credit in this program.

All statements in this publication are announcements of present policies and are subect to change at any time without prior notice. Cape Fear Community College reserves the right to change program requirements and offerings, regulations, and fees.

Basic Studio	Requires Requirement Quarter Hours Cred	
Communica	ation	10
ENG 151	English Composition I	5
ENG 152	English Composition II	5
Fine Arts		. 5
Select one fi	ne arts course from the following:	
ART 152	Drawing Fundamentals	5
ART 153	Drawing II	5 5 5
ART 155	Beginning Painting	5
ART 251	Art in the Western World:	5
	Ancient Through Medieval	
ART 252	Art in the Western World:	5
	Renaissance Through Impressionism	
ART 253	History of Art in the Western World:	5
	Post-Impressionism Through Contemporary	
DRA 160	Introduction to Acting	5
DRA 175	Introduction to Film	5 5 5
MUS 150	Survey of Music Literature	5
	•	

		umanities course from two of the following	10 three
I. ENG ENG ENG ENG ENG ENG	160 251 252 263 264 275 276	Introduction to Literature Great British Writers I Great British Writers II Great American Writers I Great American Writers II World Literature I World Literature II	5 5 5 5 5 5 5 5
2.			
PHI PHI REL REL	150 160 150 250	Introduction to Philosophy Introduction to Ethics Introduction to Religion Religion in America	5 5 5 5
3.			
FRE	150	French I	5
FRE SPA	151 150	French II	5 5
SPA	151	Spanish I Spanish II	5
SIA	151	Spanish H	J
Math	ematic	es	5
		ourse from the following:	
	150		5
	160		5 5
MAT		Precalculus	5
MAT	250	Calculus I	3
Select	t one of	f the following 12-quarter-hour credit sequenthe following areas:	
Life S	Science	es .	
1.			
BIO	150	General Biology I	6
BIO	151	General Biology II	6
2.			
BIO	250	Anatomy and Physiology I	6
BIO	251 -	Anatomy and Physiology II	6
		, , ,	
-	cal Sci		
PHY	150	College Physics I	4
PHY		College Physics II	4
PHY	152	College Physics III	4
Dhyoi	cal Ed	ucation	3
PHVSI	CER BUTE		
PED	150	Foundations of Physical Activity	3
PED	150	Foundations of Physical Activity	3
PED Socia	150 l and I	Foundations of Physical Activity Behavioral Sciences	3
PED Socia Select	150 l and I t one hi	Foundations of Physical Activity Behavioral Sciences	15
PED Socia Select HIS	150 l and I t one hi 150	Foundations of Physical Activity Behavioral Sciences	3 15 5
PED Socia Select	150 l and I t one hi 150 151	Foundations of Physical Activity Behavioral Sciences istory course from the following: Western Civilization I Western Civilization II	15

251

American History II

5

Select one course from two of the following three areas:

1. POL POL	150 250	American National Government American State and Local Government	5 5
2. PSY	150	Introduction to Psychology	5
3. SOC	150	Introduction to Sociology	5

Total Basic Studies Requirement in Quarter Hours 60

Electives

Any of the courses listed above which are not used to meet the basic studies requirement may be used as electives. In addition, the following courses are approved electives.

ANT	150	Introduction to Anthropology	5	
ART	150	Design Basics (2-D)	5	
BIO	252	Microbiology	6	
CJC	150	Introduction to Criminal Justice	5	
CJC	250	Contemporary Issues in Criminal Justice		
DRA	150	Introduction to Theatre	5	
DRA	161	Play Production	5 5 5 5	
ECO	150	Principles of Microeconomics	5	
ECO	151	Principles of Macroeconomics	5	
EDU	250	Teacher, School, and Society	5	
ENG	155	Writing for Business and Industry	5	
ENG	250	Folklore	5	
ENG	255	Introduction to Creative Writing	5	
FRE	152	French III	5	
GEO	150	Introduction to Physical Geography	5 5	
MAT	151	College Mathematics II		
MAT	161	College Trigonometry	5 5	
MAT	165	Introduction to Statistics	5	
MAT	251	Calculus II	5	
MUS	151	Introduction to Music History I	5	
MUS		Introduction to Music History II	5	
MUS	153	Music in America	5	
ORI	150	Seminar: Lifelong Learning	5	
PHO		Introduction to Photography	3	
PSY	175	Psychology of Adjustment	5	
PSY		Human Growth and Development	5 5 3 5 5 5 5	
PSY	298	Abnormal Psychology	5	
	198	World Religions	5	
	250	Sociology of the Family	5	
	260	Sociology of Deviant Behavior	5 3 3 5	
	265	Sociology of Juvenile Delinquency	3	
SOC	270	Modern Social Problems	5	
SPA		Introductory Spanish	5	
SPH		Introduction to Speech	5	
SWK	150	Introduction to Social Work	5	
Total	Total Floatives Dequinement in Quantum Hours 26			

Total Electives Requirement in Quarter Hours 36

TOTAL REQUIREMENT IN QUARTER HOURS 96

Some four-year colleges require foreign language courses and additional humanities and mathematics courses for either junior standing or a baccalaureate degree. Also, some colleges may not accept certain of the listed elective courses for transfer credit. For this reason, students planning to transfer should check the requirements and transfer policies of the four-year institution they wish to attend and select courses accordingly.

TECHNICAL CURRICULA

Technicians are among the fastest growing occupational groups in the United States. In recent years, the needs of an expanding and increasingly technical economy have greatly intensified the demand not only for engineers and scientists, but also for the technical workers who assist them. Technicians are those workers whose jobs require both knowledge and use of scientific and mathematical theory, specialized education or training in some aspect of technology or science, and work, with scientists and engineers. Some jobs held by these technicians are supervisory and require both technical knowledge and the ability to supervise people.

In carrying out their assignment, engineering and science technicians frequently use complex electronic and mechanical instruments, experimental laboratory apparatus, and drafting instruments. These workers engage in virtually every aspect of engineering and scientific work. In research, development, and design work they conduct experiments or tests; set up, calibrate, and operate instruments; and make calculations. They also assist scientists and engineers in developing experimental equipment and models by making drawings and sketches and frequently do some design work.

Technicians also work in jobs related to production. They may aid in the various phases of production operations, such as working out specifications for materials and methods of manufacturing, devising tests to insure quality control of products, or making time-and-motion studies (timing and analyzing the worker's movements) designed to improve the efficiency of a particular operation. They may also perform liaison work between engineering and production or other departments.

Cape Fear Community College provides training in a number of areas which require training beyond the high school, but do not require four years of college preparation. Most of the technical programs are six quarters in length and are geared to train a person in specific technical areas. Students spend twenty to thirty hours per week in classroom and laboratory work; additional time will be needed for outside assignments.

The Associate in Applied Science Degree is awarded to students who complete a technical program. To be eligible for the degree, a student must maintain satisfactory grades in all

Authorized Programs	CODE	DAY	EVENING	DEGREE	CERTIFICATE
1 Accounting	T016	*	*	AAS	
2 Administrative Office Technology	T030	*	*	AAS	*
3 Associate Degree Nursing	T059	*		AAS	
4 Automotive Technology	T176	*		AAS	Diploma
5 Basic Law Enforcement Training	T189	*	*		
6 Business Administration	T018	*	*	AAS	
7 Chemical Technology	T037	*		AAS	
8 Computer Engineering Technology	T040	*	*	AAS	
9 Criminal Justice	T129	*	*	AAS	
10 Drafting and Design Engineering Tech.	T043	*	*	AAS	
11 Early Childhood Associate	T073	*		AAS	
12 Electronics Engineering Technology	T045	*	*	AAS	
13 Health Information Technology	T053	*	*	AAS	
14 Hotel and Restaurant Management	T025	*		AAS	
15 Instrumentation Technology	T048	*	*	AAS	
16 Machining Technology	T121	*		AAS	Diploma
17 Manufacturing Engineering Technology	T050	*		AAS	
18 Marine Technology	T085	*		AAS	
19 Medical Assisting **	T058				
20 Medical Laboratory Technology ***	T110				
21 Microcomputer Systems Technology	T192	*	*	AAS	
22 Radiography	T061	*		AAS	
23 Paralegal Technology	T120	*	*	AAS	
24 Real Estate (Technical Specialty)	T166	*	*		
25 Real Estate Appraisal	T224	*	*		

AA - Associate in Arts degree

AAS - Associate in Applied Science degree

AGE - Associate in General Education degree

** - Consortium with James Sprunt Community College

*** - Consortium with Southeastern Community College

laboratory and class subjects and an overall grade point average of 2.00.

Credit hours granted in the various technical programs are not transferrable to other institutions except as an institution may determine that a particular course and credits are applicable to a curriculum offered by that school.

Accounting

The Accounting curriculum is designed to provide students with knowledge and skills necessary for employment and growth in the accounting profession. Often referred to as the "language of business," accounting serves as an informational system for organizations. Accountants assemble, analyze, and communicate essential information about financial operations.

The course of study places emphasis on accounting principles, theories, and practices and includes study in business law, finance, management, and economics. Skills related to the applications of accounting principles are developed through study of communications, computer applications, interpersonal skills development, decision making principles, and ethics.

The curriculum is designed to prepare individuals for entry-level accounting positions in all types of organizations, including CPA firms, small businesses, manufacturing firms, insurance companies, banks, and non-profit organizations such as hospitals, colleges, school systems, and governmental agencies. With work experience and additional education, an individual may advance to positions such as accountant, controller, and auditor.

MAJOR C	COURSES	Credit
ACC 120	Accounting I	5
ACC 121	Accounting II	5
ACC 122	Accounting II Accounting III	5
ACC 128	Computerized Accounting	3
ACC 129	Taxes I	4
ACC 220	Intermediate Accounting I	4
ACC 221	Intermediate Accounting II	4
	Cost Accounting I	4
ACC 226	Cost Accounting II	4
ACC 230		4
ACC 231		4
	Business Finance I	4
	Business Finance II	4
	Advanced Business Applications	_4
	- 11	58
RELATEI)	
	Business Statistics	3
	Business Law I	5
BUS 235	Business Management	5 3 3
CAS 101	Computer Familiarization	3
	Database Processing	4
CAS 125	Microcomputer Word Processing I	4 2 2 3 3
CAS 130	Spreadsheet Applications I	2
CAS 211		2
ECO 102	Economics I	3
ECO 104	Economics II	
OSC 105	Keyboarding	_4
		36
CENEDAL	L EDUCATION	
	English Composition I	5
	Oral Communications	3
	Fundamentals of Math I	5
	Introduction to Psychology	5
131 130	Humanities/Fine Arts Elective	5
	Humannies/Fine Arts Elective	5 3 5 5 5 23
	XPERIENCE	
	Cooperative Work Experience	1
COE 102	1	1
COE 103	Cooperative Work Experience	_1
		3
TOTAL C	REDITS	117

ACCOUNTING

The six-quarter sequence of courses recommended for the full-time student is:

I-FALL	IV-SUMMER
BUS 115	ACC 122
CAS 101	ACC 128
ENG 114	ACC 129
MAT 101	CAS 109
OSC 105	ECO 102
II-WINTER	V-FALL
ACC 120	ACC 220
BUS 135	ACC 225
CAS 130	ACC 230
PSY 150	BUS 123
HUMANITIES/FINE	ECO 104
ARTS ELECTIVE	
III-SPRING	VI-WINTER
ACC 121	ACC 221
BUS 114	ACC 226
CAS 125	ACC 231
CAS 211	BUS 124
ENG 151	BUS 235

Administrative Office Technology

This curriculum prepares individuals to perform secretarial and administrative support duties in a variety of offices including those offices with computerized, automated functions.

Students in this curriculum study keyboarding and word/information processing to develop skills in the preparation of business correspondence, reports, statistical copy, manuscripts and business forms. Administrative support courses emphasize typical office tasks such as scheduling appointments, composing correspondence and performing reprographic duties. Training is also provided in analyzing and coordinating office duties and systems. Skills and knowledge are taught in the areas of electronic document storage and retrieval and computer software utilization.

Graduates of the program may be employed in offices in private business establishments involved in retailing, marketing, advertising, and manufacturing as well as offices in local, state, and federal government.

MAJOR C	COURSES	Credit Hours
BUS 236	Human Resource Management	3
CAS 101	Computer Familiarization	3
CAS 109	Database Processing	4
CAS 125	Microcomputer Word Processing	I 4
CAS 126	Microcomputer Word Processing	II 4
CAS 130	Spreadsheet Applications I	2

CAS 208 CAS 211 OSC 105 OSC 118 OSC 119 OSC 120 OSC 121 OSC 200 OSC 213 OSC 217 OSC 240	Desktop Publishing Spreadsheet Applications II Keyboarding Document Production Advanced Document Production Administrative Office Applications I Administrative Office Applications II Information Management Office Procedures Comprehensive Speedwriting Comprehensive Machine Transcription	3 2 4 4 4 2 2 4 3 5 <u>5</u>
RELATE	D	
ACC 120 ACC 121	Accounting I Accounting II	5 5
ACC 129	Taxes I	4
BUS 109	Professional Development	3 5
BUS 115	Business Law I	5
BUS 135 ECO 102	Advanced Business Applications Economics I	4
LCO 102		$\frac{3}{29}$
	L EDUCATION	
	English Composition I	5
ENG 114 MAT 101	Oral Communications Fundamentals of Math I	3
PSY 150	Introduction to Psychology	5
	Humanities/Fine Arts Elective	5 3 5 5 5 <u>5</u> 23
		23
ELECTIV		
	Elective	$\frac{3}{3}$
		3
WORK E	XPERIENCE	
	Cooperative Work Experience	1
COE 102	1	1
COE 103	Cooperative Work Experience	$\frac{1}{3}$
TOTAL O	PREDITS	113
I O I I I I		110

ADMINISTRATIVE OFFICE TECHNOLOGY

The six-quarter sequence of courses recommended for the full-time student is:

I-FALL	IV-SUMMER
BUS 115	ACC 129
CAS 101	CAS 109
ENG 114	CAS 125
MAT 101	ECO 102
OSC 105	OSC 240
II-WINTER	V-FALL
ACC 120	CAS 126
BUS 135	CAS 130
BUS 236	OSC 120
OSC 118	OSC 200
HUMANITIES/FINE	OSC 217
ARTS ELECTIVE	
III-SPRING	VI-SPRING
ACC 121	CAS 208
BUS 109	CAS 211
ENG 151	OSC 121
OSC 119	OSC 213
PSY 150	ELECTIVE

Associate Degree Nursing, Registered Nursing

The Associate Degree Nursing curriculum is designed to prepare the graduate to assess, analyze, plan, implement and evaluate nursing care. The graduate is eligible to apply to take the National Council Licensure Examination (NCLEX-RN) which is required for practice as a registered nurse.

Individuals desiring a career in registered nursing should take biology, algebra, and chemistry courses prior to entering the program.

The registered nurse may be employed in a wide variety of health care settings such as hospitals, long term care facilities, clinics, physician's offices, industry and community health agencies.

\mathbf{M}_{A}	4J(OR C	COURSES	Credit
NU	JR	101	Fundamentals of Nursing	7
NU	JR	102	Common Stressors in	
			Medical-Surgical Nursing	9
NU	JR	103	Medical-Surgical Nursing I	10
NU	JR	104	Maternal-Child Nursing	10
NU	JR	105	Issues and Trends	2
NU	JR	201	Psychiatric Nursing	6
			Patient Care Management	1
			Medical-Surgical Nursing II	10
NU	JR	204	Medical-Surgical Nursing III	<u>10</u>
				65

RELATED COURSES BIO 250 Anatomy and Physiolog BIO 251 Anatomy and Physiolog BIO 252 Microbiology	gy I 6 gy II 6 _6 _18
GENERAL EDUCATION ENG 151 English Composition I PSY 250 Human Growth and De PSY 150 Introduction to Psychol Humanities/Social Scie	ogy 5
ELECTIVE	<u>_5</u> 5
TOTAL CREDITS	108
NUR 120 Nursing Transition Required of LPN's prior to admissi	on to ADN program.
AUDIT COURSES NUR 101A Fundamentals of Nurs NUR 102A Common Stressors in Medical-Surgical Nur NUR 103A Medical-Surgical Nur NUR 104A Maternal-Child Nursin NUR 201A Psychiatric Nursing NUR 203A Medical-Surgical Nur ASSOCIATE DEGREE NURSIN The seven-quarter sequence of cothe full-time student is:	sing 5 sing I 6 ng 8 4 sing II 6
I-FALL BIO 250 NUR 101 PSY 150 II-WINTER BIO 251 NUR 102 PSY 250	V-FALL ENG 151 NUR 201 NUR 202 VI-WINTER ELECTIVE NUR 203
III-SPRING BIO 252 NUR 103 IV-SUMMER NUR 104 NUR 105	VII-SPRING NUR 204 HUMANITIES/ SOCIAL SCIENCE ELECTIVE

Business Administration

The Business Administration curriculum provides a broad education in business principles and practices. This curriculum is designed to prepare individuals for entry-level business positions.

In this program of study, the student will gain knowledge of basic business principles and concepts through a study of management functions, marketing, accounting and finance, economics, human resources development, and legal and ethical aspects of business. Skills related to the applications of these business principles are developed through study of communications, mathematics, computer applications, and decision-making principles.

Additional training through practice in classroom activities which develop team-building skills will prepare graduates to function as contributing members of management teams. Graduates may find employment in large and small businesses, not-for-profit service organizations, government agencies, and financial institutions.

MAJOR COURSES (Credit
ACC 120 Accounting I	5
ACC 121 Accounting II	
ACC 122 Accounting III	5 5
ACC 128 Computerized Accounting	3
ACC 129 Taxes I	3
ACC 230 Taxes II	4
BUS 115 Business Law	5
BUS 123 Business Finance I	4
BUS 124 Business Finance II	4
BUS 235 Business Management	3
ECO 102 Economics I	3
ECO 200 Managerial Economics	5
MKT 232 Sales Development	3 3 5 3
MKT 239 Marketing	<u>5</u>
	58
RELATED	
	4
BUS 135 Advanced Business Applications	4 3
CAS 101 Computer Familiarization CAS 109 Database Processing	3 4
CAS 109 Database Processing CAS 125 Microcomputer Word Processing	4
CAS 130 Spreadsheet Application I	
CAS 211 Spreadsheet Application II	2
ECO 104 Economics II	2 3
ENG 155 Technical and Business Writing	5
OSC 105 Keyboarding	4
OSC 105 Reyboarding OSC 118 Document Production	
OSC 116 Document Froduction	$\frac{4}{35}$

GENERAL EDUCATION	
ENG 151 English Composition I	5
ENG 114 Oral Communications	3
MAT 101 Fundamentals of Math I	5
PSY 150 Introduction to Psychology	5
Humanities/Fine Arts Elective	_5
	23
WORK EXPERIENCE	
COE 101 Cooperative Work Experience	1
COE 102 Cooperative Work Experience	1
COE 103 Cooperative Work Experience	1
	3
TOTAL CREDITS	116

ADMINISTRATIVE OFFICE TECHNOLOGY The six-quarter sequence of courses recommended for the full-time student is:

I-FALL	IV-SUMMER
BUS 115	ACC 122
CAS 101	ACC 128
ENG 114	ACC 129
MAT 101	CAS 109
OSC 105	ECO 102
	ENG 155
II-WINTER	
ACC 120	V-FALL
BUS 135	ACC 230
OSC 118	BUS 123
HUMANITIES/FINE	CAS 130
ARTS ELECTIVE	ECO 104
	MKT 239
III-SPRING	
ACC 121	VI-WINTER
CAS 125	BUS 124
ENG 151	BUS 235
PSY 150	CAS 211
	ECO 200
	MKT 232

Criminal Justice -Protective Services Technology

The Criminal Justice Technology curriculum is designed so that it may be a multi-faceted program of study. It may consist of study options in corrections, law enforcement and security services.

The curriculum is designed with a core of courses to afford one the opportunity to acquire basic knowledge, skills and attitudes in the generally accepted subject areas associated with a two-year study of correctional services, law enforcement services and security services. It includes subjects such as interpersonal communications, law, psychology and sociology.

In addition to core subjects, the correctional services option provides an opportunity to study other generally accepted subjects indigenous to a two-year correctional services program such as confinement facility administration, correctional law, counseling, probation-parole services and rehabilitation options. Similarly, the law enforcement option provides an opportunity to study other generally accepted subjects included in a two-year law enforcement services program such as criminal behavior, criminal investigation, patrol operation, traffic management, and other aspects of law enforcement administration and operations. The security services option provides an opportunity to study other generally accepted subjects related to a two-year security services program such as accident prevention and safety management, common carrier protection, fire prevention, private security, industrial security, retail security, security systems and surveillance.

Job opportunities are available with federal, state, county and municipal governments. In addition, knowledge, skills and attitudes acquired in this course of study qualify one for job opportunities with private enterprise in such areas as industrial, retail and private security.

COURSE AND HOUR REQUIREMENTS-CRIM INAL JUSTICE-PROTECTIVE SERVICES TECHNOLOGY GENERAL OPTION

Major	Courses:	Credit
CJC	102 Introduction to Criminology	5
CJC	105 Firearms and Ballistics	4
CJC	150 Introduction to Criminal Justice	5
CJC	111 Introduction to Law Enforcement	5
CJC	113 Introduction to Courts	5
CJC	115 Criminal Law	5
CJC	160 Introductions to Corrections	5
CJC	206 Juvenile Justice System	5
CJC	220 Criminal Justice Organization & Manageme	
CJC	250 Contemporary Issues in Criminal Justice	5
PHO	150 Introduction to Photography	3
POL	250 American State and Local Government	5
LEX	205 Constitutional Law	5
(Take	5 QHC from the following)	5
CRIM	INAL JUSTICE ELECTIVES	
CJC	108 Research and Planning in Criminal Justice	5
CJC	126 Ethics and Community Relations	5
CJC	140 Fingerprint Identification	5
CJC	141 Handwriting Identification	5
CJC	205 Scientific Evidence	5
CJC	208 Arson Investigation	5 5
CJC	225 Security and Crime Prevention	5
CJC	245 Security Management	_5
		67

RELATED COURSES OSC 105 Keyboarding MAT 150 College Mathematics I SOC 150 Introduction to Sociology SOC 260 Sociology of Deviant Behavior SOC 250 Sociology of the Family BIO 150 General Biology I	4 5 5 3 5 <u>6</u> 28
GENERAL EDUCATION ENG 151 English Composition I ENG 152 English Composition II SPH 150 Introduction to Speech — Humanities / Fine Arts Elective	5 5 5 <u>5</u> 20
ELECTIVES (0-10) — Elective	<u>5</u> 5
Total Credits	120

COURSE AND HOUR REQUIEMENTS-CRIMINAL JUSTICE-PROTECTIVE SERVICES TECHNOLOGY CORRECTIONS OPTION

MAJ	OR COURSES	Credit
CJC	102 Introduction to Criminology	5
CJC	105 Firearms and Ballistics	4
CJC	150 Introduction to Criminal Justice	5
CJC	111 Introduction to Law Enforcement	5 5 5 5 5 nent 5 5 3 5
CJC	113 Introduction to Courts	5
CJC	115 Criminal Law	5
CJC	160 Introductions to Corrections	5
CJC	220 Criminal Justice Organization & Managen	nent 5
CJC	250 Contemporary Issues in Criminal Justice	5
PHO	150 Introduction to Photography	3
POL	250 State and Local Government	5
LEX	205 Constitutional Law	5
	10 QHC from the following)	10
CRIN	MINAL JUSTICE ELECTIVES	
CJC	108 Research and Planning in Criminal Justice	5
CJC	126 Ethics and Community Relations	5
CJC	140 Fingerprint Identification	5
CJC	141 Handwriting Identification	5
CJC	205 Scientific Evidence	5
CJC	206 Juvenile Justice System	5
CJC	208 Arson Investigation	5
CJC	225 Security and Crime Prevention	5 5 5 5 5 5 5
CJC	245 Security Management	
		67

RELATED COURSES	
OSC 105 Keyboarding	4
MAT 150 College Mathematics I	5
SOC 150 Introduction to Sociology	5
SOC 260 Sociology of Deviant Behavior	3
SOC 265 Sociology of Juvenile Delinquency	3
SOC 250 Sociology of the Family	5
BIO 150 General Biology I	_6
Dio 130 delicita Diology 1	31
	51
GENERAL EDUCATION	
ENG 151 English Composition I	5
ENG 152 English Composition II	5
SPH 150 Introduction to Speech	5
— — Humanities / Fine Arts Elective	_5
	$\overline{20}$
ELECTIVES (0-10)	
— Elective	3
	3
Total Credits	121

CO-OP OPTION: Qualified students may elect to take cooperative education in place of free electives provided they acquire approval from the co-op director and department chairperson.

COURSE AND HOUR REQUIREMENTS-CRIMINAL JUSTICE-PROTECTIVE SERVICES TECHNOLOGY LAW ENFORCEMENT OPTION

MAJO	OR COURSES	Credit
CJC	102 Introduction to Criminology	5
CJC	103 Introduction to Criminal Investigation	5
CJC	105 Firearms and Ballistics	4
CJC	150 Introduction to Criminal Justice	5
CJC	111 Introduction to Law Enforcement	5
CJC	113 Introduction to Courts	5
CJC	115 Criminal Law	5
CJC	160 Introduction to Corrections	5
CJC	211 Introduction to Criminalistics	5
CJC		5
CJC	250 Contemporary Issues in Criminal Justice	5
PHO	150 Introduction to Photography	3
POL	250 State and Local Government	5
(Take	5 QHC from the following)	5
	IINAL JUSTICE ELECTIVES	
CJC	108 Research and Planning in Criminal Justice	
CJC	126 Ethics and Community Relations	5
CJC	140 Fingerprint Identification	5
CJC	141 Handwriting Identification	5
CJC	205 Scientific Evidence	5
CJC	208 Arson Investigation	5
CJC	225 Security and Crime Prevention	5
CJC	245 Security Management	_5
		67

RELATED COURSES OSC 105 Keyboarding MAT 150 College Mathematics I SOC 150 Introduction to Sociology SOC 260 Sociology of Deviant Behavior SOC 250 Sociology fo the Family BIO 150 General Biology I	4 5 5 3 5 <u>6</u> 28
GENERAL EDUCATION ENG 151 English Composition I ENG 152 English Composition II SPH 150 Introduction to Speech — Humanities / Fine Arts Elective	5 5 5 <u>5</u> 20
ELECTIVES (0-11) — Elective	<u>5</u>
Total Credits	120
CO-OP OPTION: Qualified students may elect to	take coop-

CRIMINAL JUSTICE-PROTECTIVE SERVICES TECHNOLOGY

The seven-quarter sequence of courses recommended for the full-time student is:

GENERAL CRIMINAL JUSTICE OPTION

I- FALL CJC 150 ENG 151	V-FALL SOC 260 CJC 220
MAT 150 OSC 105	BIO 150
II- WINTER	VI-WINTER
CJC 111	SOC 250
CJC 115	HUMANITIES/ FINE
ENG 152	ARTS ELECTIVE
	CJC 105
	ELECTIVE
III-SPRING	
CJC 160	VII-SPRING
CJC 250	CJC 206
POL 250	LEX 205
SPH 150	CRIMINAL JUSTICE ELECTIVE
IV-SUMMER	
CJC 113	

LAW ENFORCEMENT OPTION

L	V-FALL
50	CJC 103
51	BIO 150
150	SOC 260
05	CJC 105
NITED	TIT TTITLE
	VI-WINTER
	CJC 211
15	SOC 250
52	HUMANITIES/FINE
	ARTS ELECTIVE
RING	
60	VII-SPRING
50	CRIMINAL JUSTICE
50	ELECTIVE
50	C.JC 222
	ELECTIVE
MMER	
13	
02	
50	
50	
	50 51 50 51 50 50 55 NTER 11 15 52 RING 60 50 50 50 MMER 13 02 50

CORRECTIONS OPTION

I-FALL	V-FALL
CJC 150	CJC 105
ENG 151	SOC 260
MAT 150	BIO 150
OSC 105	
II-WINTER	VI-WINTER
CJC 111	SOC 265
CJC 115	CRIMINAL JUSTICE
ENG 152	ELECTIVE
	CRIMINAL JUSTICE
	ELECTIVE
	THE CODDING
III-SPRING	VII-SPRING
CJC 160	CJC 220
CJC 250	SOC 250
POL 250	LEX 205
SPH 150	ELECTIVE

IV-SUMMER CJC 113 CJC 102 SOC 150 PHO 150

CJC 102 SOC 150 PHO 150

Early Childhood Associate

The Early Childhood Associate curriculum is designed to prepare individuals to work with children in learning environments from infancy through middle childhood. The program of study includes the subjects of child growth and development, physical and nutritional needs of children, care and guidance of children and communication with children and their parents. Students learn to foster the cognitive/language, physical/motor, and social/emotional development of children. The program of study combines theories and principles with opportunities for supervised practice.

Graduates are prepared to plan and implement develop-mentally appropriate programs in early childhood settings. Employment opportunities are available in child development and child care programs, preschools, public and private schools, recreational centers, day care centers, kindergartens, some Head Start programs, and programs for children with special needs

Community College State Board approved.

MAJOR C	OURSES Cree	dit
+EDU 110	Seminar Practicum: Preschool Environment	1
+EDU 117	Child Growth & Development I	3
+EDU 118	Child Growth & Development II	3
+EDU 119	Child Growth & Development III	3
+EDU 122	Child Health, Safety, & Nutrition	3
+EDU 125	Creative Activities in Early Childhood	6
+EDU 215	Behavioral Management	5
+EDU 216	Communication Activities in Early Childhood	6
EDU 217	Exploration Activities in Early Childhood	6
+EDU 225	Working with Children with Special Needs	3
EDU 220	Seminar Practicum:	
	Special Needs Environment	1
	Working with the Child's Family Community	3
*EDU 101	Introduction to Early Childhood Education:	
	Child Credential I	3
	or	
	Early Childhood Overview	3
*EDU 102	Introduction to Early Childhood Education:	
	Child Care Credential II	3
	or	
	Early Childhood Principles and Practices	3
	Infant/Toddler Development and Activities	3
	Early Childhood Curriculum Planning	5
+EDU 232	Child Care Administration	<u>3</u>
		60

+MAT 101 +SAF 119	Fundamentals of Math I First Aid and Adult & Infant/Child CPR Sociology of the Family and	5 3 5
	ours of related subjects should be selected from	n
the following	ng: Art History and Appreciation	5
BIO 101	Human Anatomy and Physiology I	
HIS 250	American History I	5 5 5 5 5 5
	American History II	5
	Survey of Music Literature	5
SOC 270	Modern Social Problems	5
SWK 150	Introduction to Social Work	_5
		23
CENEDA	I EDUCATION	
	L EDUCATION	_
	English Composition I	5
	English Composition II	2
	Oral Communications Introduction to Sociology	5
+300 130	Humanities / Fine Arts Elective	5
	Tullialities / Tille Arts Elective	5 5 3 5 <u>5</u> 23
		23
ELECTIV	ES	
	ELECTIVE	3
		3
WORK EX	XPERIENCE	
	Seminar Practicum: Preschool Environment	1
EDU 220		
	Special Needs Environment	1
		2
Total Cusa	114	111
Total Cred	ins	111
CREDENTIAL OPTION: Course designated with this symbol*. 6 Hours.		
DIPLOMA*+. 65 Hou	A OPTION: Course designated with these symbols	ols
erative edu	PTION: Qualified students may elect to take concation in place of free electives provided to proval from the co-op director and department.	hey

EARLY CHILDHOOD ASSOCIATE

The six-quarter sequence of courses recommended for the full-time student is:

I- FALL	IV- SUMMER
EDU 117	EDU 217
EDU 101 or	EDU 215
EDU 106	EDU 211
ENG 151	EDU 225
ENG 114	RELATED ELECTIVE
MAT 101	
II- WINTER	V FALL
EDU 118	EDU 216
EDU 102 or	EDU 223
EDU 107	EDU 220
EDU 110	EDU 231
ENG 152	
SOC 150	VI WINTER
	EDU 232
III- SPRING	SAF 119
SOC 250	FREE ELECTIVE
EDU 119	RELATED ELECTIVE
EDU 122	
EDU 125	
HUMANITIES/	
FINE ARTS ELECTIVE	
I II I	

Electronics Engineering Technology

The Electronics curriculum provides a basic background in electronic related theory, with practical applications of electronics for business and industry. Courses are designed to develop competent electronics technicians who may work as assistants to engineers or liaisons between engineers and skilled craftspersons.

The electronics technician will start in one or more of the following areas: research, design, development, production, maintenance or sales. The graduate may begin as an electronics technician, an engineering aide, laboratory technician, supervisor or equipment specialist.

MAJ	OR C	OURSES	Credit
ELC	107	Electricity I	6
ELC	108	Electricity I	5
ELC	109	Electricity III	5
ELN	102	Electronic Fabrication Techniques	1
ELN	106	Electronics I	5
ELN	107	Electronics II	5
ELN	108	Electronics III	5
ELN	121	Digital Electronics I	5

ELN	122	Digital Electronics II	3
ELN	202	Communication Electronics	4
ELN	205	Analytic Electronic Troubleshooting	i
ELN	231	Electronics in Industry	4
ELN	236	Industrial Field Trips	i
ELN	221	Microprocessors I	4
ELN	270	Data Communications and	•
		Local area Networks	4
ELN	272	Programmable Logic Controllers	4
ELN	274	Optical Electronics	2
ELN	273	Computer Integrated Manufacturing	-
		and Robotics	4
ELN	271	Electronics Project	i
		ziecu omes i roject	69
RELA		COURSES	
DFT	100	Technical Drafting	2
CSC	250	C Language Programming I	3
	251	C Language Programming II	3
MAT		Technical Mathematics	5
MAT		Technical Mathematics	3 3 5 5 5 5 5 5 3 2
MAT		Technical Mathematics	5
PHY		Introductory Physics	5
CHM		Introduction to chemistry	5
CAS	106	Computer Applications	3
MEC	123	Introduction to CAD/CAM	_2
			38
CEN	EDAI	L EDUCATION	
ENG		English Composition I	5
ENG		Oral Communication	3
SOC		Introduction to Sociology	3 5
300	150	Humanities/Fine Arts Elective	_5
		rumainties/r me Arts Licetive	$\frac{3}{18}$
			10
ELEC	CTIV	ES	
		Elective	$\frac{3}{3}$
			3
WOD	KEY	KPERIENCE	
	101	Cooperative Work Experience	1
COE	102	Cooperative Work Experience	i
COE	103	Cooperative work Experience	1
COL	105	Cooperative work Experience	$\frac{1}{3}$
TOT	AL C	REDITS	128

CO-OP OPTION: Qualified students may elect to take cooperative education in place of free electives provided they acquire approval from the co-op director and department chairperson.

ELECTRONICS ENGINEERING TECHNOLOGY The seven-quarter sequence of courses recommended for the full-time student is:

I-FALL	V-FALL
ELC 107	ELN 122
ELN 102	ELN 202
CAS 106	ELN 236
MAT 121	ELN 274
	CSC 250
II-WINTER	SOC 150
ELC 108	
ELN 106	VI-WINTER
ENG 151	ELN 231
MAT 122	ELN 221
	ELN 272
III-SPRING	CSC 251
ELC 109	ENG 114
ELN 107	
PHY 100	VII-SPRING
MAT 123	ELN 273
	ELN 270
IV-SUMMER	ELN 205
DFT 100	MEC 123
ELN 108	ELN 271
ELN 121	HUMANITIES/FINE
CHM 101	ARTS ELECTIVE
ELECTIVE	

Health Information Technology

The Health Information Technology curriculum prepares the individual with the knowledge and skills to process, maintain, compile and report health information.

Technical knowledge and skills for the health information technician include those necessary to assemble, analyze, abstract and maintain medical records; supervise health information/medical record department functions, classify/code and index diagnosis and procedures for reimbursement, statistical and administrative purposes; provide information for cost control, assurance of quality health care, marketing and planning for health services and risk management; prepare reports for health-related organizations such as federal, state and regulatory agencies and those responsible for health care reimbursement; complete research studies such as those done to review the quality of health care; and maintain the confidentiality and security of patient information.

Graduates may find employment in hospitals, rehabilitation facilities, long term care facilities, health insurance organizations, out-patient clinics, mental health facilities and home health organizations.

A graduate of an accredited associate degree program is eligible to apply to write the national qualifying examination for certification as an Accredited Record Technician (ART).

Courses in the following areas would be helpful to students: computer science, biology and health occupations.

MAJOR COL	URSES	Credit
MRE 100 O	rientation to Health Care Professions	2
	ledical Terminology & Vocabulary I	3
	ledical Terminology & Vocabulary II	3
	ledical Terminology & Vocabulary III	3
	ealth Information Content & Maintenar	nce 4
	egal & Ethical Aspects	
	Health Information	3
MRE 106 He	ealth Information Standards	
&	Regulations	3
	ealth Information Statistics	3
MRE 200 B	asic ICD-9-CM Coding Concepts	3
	itermediate ICD-9-CM Coding Concept	
	dvanced ICD-9-CM	
&	CPT-4 Coding Concepts	4
	omputers in Health Care	3
	irected Practice I	2
	irected Practice II	4
MRE 206 D	irected Practice III	4
	tro to Health Information Transcription	
	ealth Information Management	4
	uality Assurance in Health Care	3
	ealth Information Seminar	_3
		61
RELATED C	COURSES	
BIO 250 A	natomy & Physiology I	6
	natomy & Physiology II	6
	rinciples of Disease	4
CAS 106 C	omputer Applications	3
CAS 125 M	licrocomputer Word Processing	4
MAT 101 Fe	undamentals of Math	5
PHM 100 PI	harmacology	_3
		31
GENERAL E	EDUCATION	
ENG 151 E	nglish Composition I (C) or	5
ENG 111 Fr	eshman English (S)	5
ENG 152 E	nglish Composition II (C) or	5
ENG 112 Fr	eshmen English (S)	5
	ral Communication (C) or	3
	indamentals of	
	peech Communications (S)	3
	roduction to Psychology (C) or	3 5 <u>5</u>
PSY 201 Intro	oduction to Psychology (S)	_5
		18
	Community College	
(S) Southeaste	ern Community College	
ELECTIV	/E	3
TOTAL CRE	EDITS	113

HEALTH INFORMATION TECHNOLOGY

The seven-quarter sequence of courses recommended for the full-time student is:

I-FALL	V-FALL
MRE 100	MRE 201
MRE 101	MRE 203
BIO 250	MRE 204
ENG 151	ELECTIVE
MAT 101	
II-WINTER	VI-WINTER
MRE 102	MRE 202
MRE 104	MRE 205
BIO 251	ENG 114
ENG 152	MRE 208
WE CONTING	THE CODDING
III-SPRING	VII-SPRING
MRE 103	MRE 206
MRE 105	MRE 209
MRE 106	MRE 210
BIO 124	PSY 150
CAS 106	
IV-SUMMER	
MRE 200	
MRE 107	
MRE 207	
CAS 125	
PHM 100	

Hotel and Restaurant Management

The Hotel and Restaurant Management curriculum prepares students to work as supervisory and management personnel in hotels, restaurants and clubs. Areas of study include front office management, accounting, sales promotion, food and beverage control, personnel management, food preparation and service. An internship program in the field may be offered to the student to acquire industry experience under the direction of a qualified manager and college supervisor.

The graduate has an opportunity for employment with hotels, clubs, restaurants, airlines, colleges, schools, convalescent homes, government services and hospitals.

MAJOR COURSES	Credit
HRM 101 Introduction to the Hospitality Industry	3
HRM 107 Organization and Administration	3
HRM 137 Food and Beverage Management	4
HRM 143 Basic Sanitation	3
HRM 133 Front Office Procedures	4
HRM 239 Housekeeping Management	3

HRM 120 HRM 240	Hospitality Industry Training Hospitality Human Resources Management	3
HRM 245	Food and Beverage Service	4
HRM 222	Marketing of Hospitality Services	3
HRM 205	Hospitality Law	3
HRM 241	Food and Beverage Controls	4
HRM 243	Hospitality Purchasing Management	3
HRM 248	Hospitality Industry Computer Systems	4
HRM 246	Hospitality Management Problems	3
HRM 202	Convention Management and Service	3 3 <u>3</u>
	Technical Electives	3
		56
RELATEI		
ACC 120	Accounting I	5
ACC 121	Accounting II	5
ACC 122	Accounting III	5
BUS 135	Advanced Business Applications	4
CAS 101	Computer Familiarization	3
	Keyboarding	4
MKT 232	Sales Development	_3
		29
CENEDAL	L EDUCATION	
	Oral Communications	3
	English Composition I	
	Fundamentals of Math I	5
	Introduction to Psychology	5 5 5
PS 1 150	Humanities/Fine Arts Elective	5
	numanities/Fine Arts Elective	23
		23
WORK EX	KPERIENCE	
	Cooperative Work Experience	1
COE 102	Cooperative Work Experience	1
COE 103	Cooperative Work Experience	1
	1	3
	P.O.	
ELECTIV		2
	Free Elective	3
		3
TOTAL C	REDITS	114

CO-OP OPTION: Qualified students may elect to take cooperative education in place of free electives provided they acquire approval from the co-op director and department chairperson.

RESTRICTED TECHNICAL ELECTIVES

Students must complete a minimum of 3 credit hours from the following technical electives. An additional course from this list may be chosen in place of COE 101-103.

	Cr	edit
HRM 102	Tourism and the Hospitality Industry	3
HRM 138	Food Production Principles	4
HRM 115	Hospitality Energy and Water Management	3
HRM 124	Managerial Accounting for the	
	Hospitality Industry	3

HRM	203	Hospitality Industry Engineering Systems	3
HRM	224	Quality Control	3
HRM	223	Hotel/Motel Sales Promotion	3
HRM	109	Nutrition for Foodservice	3

HOTEL AND RESTAURANT MANAGEMENT The six-quarter sequence of courses recommended for the full-time student is:

I-FALL	IV-SUMMER
MAT 101	ACC 122
CAS 101	HRM 241
ENG 114	HRM 243
HRM 101	FREE ELECTIVE
HRM 107	TECHNICAL
OSC 105	ELECTIVE
II-WINTER	V-FALL
ACC 120	HRM 205
BUS 135	HRM 222
HRM 143	HRM 240
HRM 239	HRM 245
ENG 151	TECHNICAL
	ELECTIVE
III-SPRING	VI-WINTER
ACC 121	HRM 202
HRM 120	HRM 246
HRM 133	HRM 248
HRM 137	MKT 232
PSY 150	HUMANITIES/FINE
	ARTS ELECTIVE

Marine Technology

The Marine Technology curriculum is designed to provide the science, English, mathematics, and practical skills essential for success in the area of marine scientific support. This curriculum provides the student with the opportunity to become proficient in the general knowledge and skills required of a scientific support technician through practical training aboard ship as well as in the classroom. The Marine Technology curriculum prepares individuals to use and maintain sophisticated equipment such as electronic navigation devices, physical and chemical measuring instruments, sampling devices, and data acquisition and reduction systems aboard oceangoing and other types of vessels.

Graduates of this program will be basically qualified to work in the following areas: data acquisition and reduction; environmental monitoring; geophysical exploration; general applied oceanography; field and laboratory biology; water analysis; water and wastewater treatment laboratory analysis; nuclear power plant environmental work; fishing gear construction and repair; small engine maintenance and repair; fishing;

marine salvage; and other marine scientific activities. Employment opportunities are available with various state and federal agencies and with private businesses, and industry associated with marine science and research.

MAJ(OR C	COURSES	Credit
CHM	101	Introduction to Chemistry	5
		Water Analysis I	2
		Water Analysis II	2 3
		Environmental Measurements	2
ELC	100	Marine Electricity 1	3
ELC			2 3 3
ELN	140	*	4
GEL	101	Marine Geology	4
MSC	101	Navigation I	3
MSC	102	Navigation II	3
MSC	103		2
MSC			2
MSC	105	-	2
	106		2
	107	-	2 2 2 2 2 3
	108	2	3
MSC	109		3
MSC	110		3 3 2 2 2 2 2
MSC	111	Net Construction Methods	2
MSC		Biological Net Construction I	2
MSC			2
MSC	I 14	Biological Sampling Methods	2
MSC	117	Practical Experience I	1
MSC			1
	119	*	1
	131	Marine Biology	3
	132	Power Boat Operations and Seamanship	2
		Marine Invertebrate Zoology	3
MSC	135		2
MSC	141	Marine Projects	1
MSC	142		1
	143	3	1
		Data Processing I	
MSC	205	Data Processing II	2 2 5
MSC	206	Estuarine Survey	5
MSC	213	Marine Vertebrate Zoology	4
РНО			3
	10I		2
PME	102	Marine Engines II	2 2
SAF	121	First Aid and Marine Safety	3
WLD		Marine Welding	_2
	151	Waline Welding	100
			100
RELA	TEI	COURSES	
CAS	106		3
DFT	117	Drafting and Blueprint Reading	
MAT	121	Technical Mathematics	3 5 5 5 2 5
MAT	122		5
MAT	123		5
OSC	100		2
PHY	100	•	5
PHY	103	Physics: Electricity	<u>4</u>
1111	105	Tilybios. Dicetifeity	$\frac{-4}{32}$
			24

ENG 114 ENG 151	L EDUCATION Oral Communication Composition 1 Introduction to Psychology HUMANITIES / FINE ARTS ELECTIVE	3 5 5 5 5 18
ELECTIV — ELE		_0
WORK EX	XPERIENCE (0-12)	
COE 101	Cooperative Work Experience 1	(1)
	Cooperative Work Experience 2	(1)
COE 103	Cooperative Work Experience 3	$\frac{(1)}{(3)}$
Total Credits		

MARINE TECHNOLOGY CURRICULUM

I- FALL

The eight-quarter sequence of courses recommended for the full-time student is:

V- FALL

MAT 121	CHM 109
MSC 103	ECL 113
MSC 109	MSC 105
MSC 111	MSC 113
MSC 131	PHY 100
MSC 132	PME 102
	HUMANITIES/FINE
	ARTS ELECTIVE
II- WINTER	VI- WINTER
MAT 122	CAS 106
MSC 101	CHM 224
MSC 110	GEL 101
MSC 117	MSC 143
MSC 141	MSC 202
SAF 121	PSY 150
PHO 110	
III- SPRING	VII- SPRING
CHM 101	ELC 100
ENG 151	ENG 114
MAT 123	MSC 106
MSC 104	MSC 119
MSC 118	MSC 205
MSC 135	MSC 213
OSC 100	PHY 103
WLD 134	
IV- SUMMER	VIII- SUMMER
DFT 117	ELC 101
MSC 102	ELN 140
MSC 108	MSC 107
MSC 112	MSC 114
MSC 133	MSC 206
MSC 142	
PME 101	

Radiography (Radiologic Technology)

The radiography curriculum prepares the graduate to use radiation to provide images of tissues, organs, bones, and vessels that comprise the human body. The curriculum includes instruction in patient care and management, radiation protection, imaging procedures, quality assurance, recording media processing, equipment maintenance, interpersonal communication, and professional responsibility through an integration of classroom, laboratory, and clinical education. The radiographer is a skilled healthcare professional qualified to provide patient services using imaging modalities as directed by qualified physicians.

Graduates may be employed in radiology departments in hospitals, clinics, physicians' offices, research and medical laboratories, federal and state agencies and industry.

Graduates of accredited programs are eligible to apply to take the national examination administered by the American Registry of Radiologic Technologists for certification and registration as medical radiographers.

Individuals desiring a career in radiography should take courses in biology, algebra, and the physical sciences prior to entering the program.

MAJO	OR C	COURSES	Credit
RAD	100	Introduction to Radiologic Technology	2
RAD	101	Medical Terminology	1
RAD	102	Patient Care in Radiology	3
RAD	103	X-Ray Physics & Equipment	4
RAD	104	Radiographic Procedures I	5
RAD	105	Radiographic Procedures II	5
RAD	106	Radiographic Procedures III	5
RAD	107	Radiation Production & Control	4
RAD	108	Radiographic Image Production	3
RAD	109	Clinical Orientation	2
RAD	110	Clinical Education I	4
RAD	111	Clinical Education II	4
RAD	112	Clinical Education III	5
RAD	201	Radiographic Technique	5
RAD	202	Radiographic Imaging	3
RAD	203	Radiologic Pathology	2
RAD	204	Methods of Quality Assurance	3
RAD	205	Radiation Biology & Protection	4
RAD	206	Radiographic Procedures IV	4
RAD	207	Clinical Education IV	6
RAD	208	Clinical Education V	7
RAD	209	Clinical Education VI	8
RAD	210	Clinical Education VII	_8
			97

RELA	ATEI	O COURSES	
CAS	106	Computer Applications	3
MAT	121	Technical Mathematics	5
BIO	250	Anatomy & Physiology I	6
		Anatomy & Physiology II	$\frac{6}{20}$
GENI	ERAI	L EDUCATION	
ENG	151	Composition I	5
ENG	152	Composition II	5
ENG	114	Oral Communication	3
PSY	150	Introduction to Psychology	<u>5</u>
ELEC	CTIV	ES	
		Elective	3
TOTA	AL C	REDITS	138

RADIOGRAPHY TECHNOLOGY

The eight-quarter sequence of courses recommended for the full-time student is:

I-FALL	V-FALL
MAT 121	ENG 151
BIO 250	RAD 201
RAD 100	RAD 206
RAD 101	RAD 207
RAD 102	
RAD 104	VI-WINTER
RAD 109	ENG 152
	RAD 202
II-WINTER	RAD 208
BIO 251	
RAD 103	VII-SPRING
RAD 105	ENG 114
RAD 110	RAD 203
	RAD 204
III-SPRING	RAD 209
PSY 150	
RAD 106	VIII-SUMMER
RAD 107	RAD 205
RAD 111	RAD 210

IV-SUMMER ELECTIVE CAS 106 RAD 108 RAD 112

TECHNICAL COURSE DESCRIPTIONS

ACC 128 - Computerized Accounting I

This is a course in computer record keeping. The content of the course will include the general ledger and the preparation of financial statements, data entry and updating of accounts receivable and accounts payable, inventory purchase cost and control, and sales and invoice preparation.

Course Hours Per Week: Class 2, Lab 2.

Quarter Hours Credit: 3.

Prerequisites: ACC 120, CAS 101

APR 133 - Applied Residential Property Valuation (R-3)

This course covers laws, rules and standards which must be followed by appraisers and focuses on the application of principles and procedures to the appraisal of residential 1-4 unit properties and small farms. The student is first acquainted with federal laws/regulations applicable to appraisers and the provisions of the North Carolina Real Estate Appraisers Act and related Commission Rules. Next comes coverage of the Uniform Standards of Professional Appraisal Practice (which are part of the Commission's Rules), followed by coverage of appraisal reports, with emphasis on standard report forms. The student then participates in a comprehensive case study of an appraisal of single-family house using the URAR form. Instruction is then provided on various special considerations in appraising other types of residential 1-4 unit properties and in appraising farms. Finally, the student is introduced to appraising special (partial) property interests and to condemnation appraisals.

Course Hours Per Week: Class 3.

Ouarter Hours Credit: 3.

Prerequisite: APR 132 or an equivalent course approved by the North Carolina Real Estate Licensing Board.

ART 150 - Design Basics (2-D)

Underlying principles of design are a foundation for any visual work in two dimensions. This course examines many works in order to isolate design elements such as line. shape, and color. Students will complete projects related to these observations. in a variety of media.

Course Hours Per Week: Class 5.

Ouarter Hours Credit: 5. Prerequisite: None

ART 251 - Art in the Western World:

Ancient through Medieval

This course is an introduction to the history of art, providing a survey of the periods from Prehistoric times through the Gothic period, about 1400 A.D.

Course Hours Per Week: Class 5.

Quarter Hours Credit: 5.

Prerequisite: None

ART 252 - Art in the Western World: Renaissance through Impressionism

This course is a survey of the art of the western world from the

beginnings of the Renaissance (c. 1400) through the Impressionist period, near the end of the nineteenth century.

Course Hours Per Week: Class 5.

Quarter Hours Credit: 5. Prerequisite: None

ART 253 - History of Art in the Western World:

Post-Impressionism through Contemporary

This course is a survey of the art of the western world from the era of Post-Impressionism (c. 1880) through the present, with attention to major artistic developments.

Course Hours Per Week: Class 5.

Quarter Hours Credit: 5. Prerequisite: None

BIO 215 - Microbiology

This course is an introduction to the biology of microorganisms and their impact on medicine, health, industry, agriculture, and the environment. The basic techniques needed to isolate, observe, identify, and control microorganisms will be covered.

Course Hours Per Week: Class 4, Lab 4.

Quarter Hours Credit: 6. Prerequisite: BIO 110

BIO 252 - Microbiology

An introduction to the study of micro-organisms and their relation to individual and community health. Groups of organisms studied are yeasts, molds, bacteria viruses, protozoa, and helminths. Laboratory work involves handling cultures, differential stains, cultivation, and metabolic activities of representative organisms. Problems in sanitation are also considered.

Course Hours Per Week: Class 4, Lab 4.

Quarter Hours Credit: 6. Prerequisite: None

BUS 135 - Advanced Business Applications

This course incorporated the student's math skills into business applications. Determination and interpretation of various quantitative procedures are emphasized.

Course Hours Per Week: Class 4.

Quarter Hours Credit: 4. Prerequisite: Mat 101

CHM 151 - General Chemistry I

General Chemistry I is the first of a two-quarter sequence introduction to inorganic chemistry. Topics include formulas, equations, stoichiometry, bonding, nomenclature, kinetic theory, solutions, and acids, bases, and salts. Upon completion students will be able to explain the structure, nomenclature, and reaction of various inorganic compounds.

Course Hours Per Week: Class 4, Lab 4.

Quarter Hours Credit: 6. Prerequisite: MAT 160.

CHM 152 - General Chemistry II

General Chemistry II is the second of a two quarter sequence introduction to inorganic chemistry. Topics include a further study of structures, redox reactions, thermodynamics, and kinetics. Emphasis will be placed on transitional atoms and ions, behaviors of liquids and solids, colligative properties of solutions, chemical equilibrium, Bronsted-Lowry theory, and nuclear reactions.

Course Hours Per Week: Class 4, Labs 4.

Quarter Hours Credit: 6. Prerequisite: CHM 151

CHM 224 - Water Analysis II

This course a continuation of Water Analysis I as a course in the practical analysis of water with emphasis on marineoriented techniques and procedures.

Course Hours Per Week: Class 2, M. Lab 3.

Quarter Hours Credit: 3.

Prerequisite: CHM 101 or CHM 118

CHM 232 - Organic Chemistry III

A continuation of the Organic Chemistry series in which "real-world" compounds are discussed. Other topics introduced will include: Nuclear Magnetic Resonance (NMR) spectroscopy, Mass (MS) spectroscopy and biochemicals. In the laboratory, various projects (LC, GC, UV) will be carried out by the students.

Course Hours Per Week: Class 3, Lab 6.

Quarter Hours Credit: 6. Prerequisite: CHM 231

DDF 201 - Design Drafting I

Topographical drawing and mapping will be introduced. Fasteners, screw threads, springs, and keys will be covered with emphasis on specifying and delineating. Intersections and developments will be included with model solutions accompanying the problems. Projects may be assigned using CAD or conventional methods.

Course Hours Per Week: Class 6, M. Lab 6.

Quarter Hours Credit 8. Prerequisite: DFT 103

DFT 101 - Technical Drafting I

Students are introduced to the principles of the graphic language and the practices employed by drafters. This knowledge is put to use by making actual machine drawings. Skills are developed using conventional drafting equipment. In depth studies of orthographic projection, geometric construction, and dimensioning are included for communication from technician to machinist or other artisan. Compliance with ANS1 standards is stressed.

Course hours Per Week: Class 3, M. Lab 9.

Quarter Hours Credit: 6. Prerequisite: None

DFT 102 - Technical Drafting II

Students will apply orthographic projection principles to the more complex drafting problems. Primary and secondary auxiliary views, simple and successive revolutions, and all types of sectional views will be included. The study of dimensioning practices will be continued with an emphasis on ANSI Standards. Drawings will be assigned using conventional methods.

Course Hours Per Week: Class 1, M. Lab 3.

Quarter Hours Credit: 2. Prerequisite: DFT 101

DFT 103 - Technical Drafting III

This course covers the graphic symbols for electrical and electronic diagrams, use and application of welding symbols, and principles and methods of pipe drafting as per ANSI Standards. The procedures for drawing and projecting axonometric, oblique, and perspective drawings will be included

with an emphasis on practical application. Drawings will be assigned using conventional equipment.

Course Hours Per Week: Class 1, M. Lab 3.

Quarter Hours Credit: 2. Prerequisite: DFT 102

DFT 151 - Computer Aided Drafting I

This course is an introduction to Computer Aided Drafting and Design systems. Included are terminology; capabilities of a CAD system; major components of a CAD system; CAD drawing, editing, and modifying procedures; commands and modes for drawing basic geometric shapes; plotting, dimensioning, layering, and zooming techniques; and creation and storage of library elements.

Course Hours Per Week: Class 2, M. Lab 6.

Quarter Hours Credit: 4.

Prerequisite: CAS 106 and knowledge of drafting

DFT 152 - Computer Aided Drafting II

A continuation of DFT 151, Computer Aided Drafting 1. Students will continue to work with new commands and command structure. Problems and exercises will place emphasis on advanced 2D and the introduction of 3D CAD.

Course Hours Per Week: Class 2, M. Lab 6.

Quarter Hours Credit: 4. Prerequisite: DFT 151

DFT 200 - Geometric Tolerancing

This course introduces the standard drafting practices per ANSI Y14.5M which includes general dimensioning, general applications of tolerances and limits, and tolerance of position and form. The advantages of true position tolerancing will also be covered.

Course Hours Per Week: Class 4.

Quarter Hours Credit: 4.

Prerequisite: DFT 102 or consent of instructor

DRA 160 - Introduction to Acting

A look at acting styles and techniques and ways to develop them through scene-work. The student will acquire practice in developing and controlling the voice, body, and emotions as instruments of expression.

Course Hours Per Week: Class 5.

Quarter Hours Credit: 5. Prerequisite: None

EDU 205 - Teaching Methods

This course is designed to teach the skill necessary in preparing lesson plans and using various methods of instructing other persons.

Course Hours Per Week: Class 1, Lab 2.

Quarter Hours Credit: 2. Prerequisite: None

EDU 250 - Teacher, School, and Society

An introduction to the profession of teaching that acquaints prospective teachers with the diverse roles of teachers. Focuses on the teacher as a decision-maker; careers in education; the social, historical and philosophical foundations of education; governmental and organizational aspects of schools; and current and future trends in American education. Observation skills are developed through field experience.

Course Hours Per Week: Class 5.

Quarter Hours Credit: 5. Prerequisite: None

ENG 070 - Basic English

This course increases a student's vocabulary, gives him/her practice in using new words in writing, and focuses on dictionary usage. The course covers subject, verbs, and preposition identification, journal writing, response to reading, and simple sentence writing. Vocabulary study includes words and their definitions, homonyms, antonyms, and synonyms of words studied.

Course Hours Per Week: Class 3. Institutional Hours Credit: 3. (Does not apply toward graduation.) Prerequisite: Placement by entry testing

ENG 080 - Basic Communication Skills

This course improves the student's basic English skills through work on the fundamentals of grammar and punctuation. Correct usage is practiced through the writing of journals and the writing of clear and mechanically correct sentences. Further writing is in response to readings of selected essays.

Course Hours Per Week: Class 5. Institutional Hours Credit: 5. (Does not apply toward graduation.)

Prerequisite: Satisfactory completion of ENG 070 or place-

ment by entry testing

ENG 090 - Building English Proficiency Skills

This course develops basic grammar and writing skills by reviewing basic rules of grammar with an emphasis on correct usage. It includes coverage of subject/verb agreement, punctuation, spelling, verb forms, pronoun reference, and sentence structure. The student practices simple sentence writing. Laboratory work may be required. Students are required to enroll in ENG 091 upon satisfactory completion of ENG 090. Course Hours Per Week: Class 5.

Institutional Hours Credit: 5. (Does not apply toward graduation.)

Prerequisite: Satisfactory completion of ENG 080 or placement by entry testing

ment by entry testing

ENG 091 - Writing for College

This course reviews basic rules of grammar and introduces the student to the techniques of writing with continued emphasis on sentence structure and paragraph development. Laboratory work may be required.

Course Hours Per Week: Class 5. Institutional Hours Credit 5.

(Does not apply toward graduation.)

Prerequisite: Satisfactory completion of ENG 090 or placement by entry testing

ENG 101 - Grammar

The course aids the student in the improvement of grammatical self-expression. This approach is functional with emphasis on grammar and sentence structure. This course stimulates students to apply the basic principles of English grammar in their day-to-day situations in industry and social life.

Course Hours Per Week: Class 3.

Quarter Hours Credit: 3.

Prerequisite: Placement by entry testing

ENG 114 - Oral Communication

This course considers the basic concepts and principles of oral communication in order to help the student improve his speech communication skills. Emphasis is placed on organization of thoughts, listening, audience analysis, visual and audiovisual aids, voice, diction, pronunciation, projection, and attitude. Students learn techniques to improve speech habits and mannerisms, and learn to produce poised, confident, effective oral presentations.

Course Hours Per Week: Class 3.

Quarter Hours Credit: 3. Prerequisite: None

ENG 151 - English Composition I

This course is an introduction to composition at the college level. Although it is designed for the student who already meets the basic competencies in the areas of sentence sense and basic grammar, a review of grammar, usage, and diction is included. The student practices techniques of invention, development, organization, editing, and revision. The course introduces the processes of writing and the structuring of paragraphs. Emphasis is placed on learning the modes of narration, exposition, and description. Frequent writings are required. This course may be computer instructed.

Course Hours Per Week: Class 5.

Quarter Hours Credit: 5.

Prerequisite: Evidence of competence on the Reading and English Placement Tests or successful completion of RED 090 and ENG 091.

ENG 152 - English Composition II

This course, a continuation of English 151, presents the basic writing processes and techniques needed to produce effective essays. Through reading and reacting to printed techniques and other materials, the student develops thinking skills which are applied to the construction of themes and a research paper. Basic techniques of research and documentation such as notetaking, summarizing, critiquing, and quoting are studied. This course may be computer instructed.

Course Hours Per Week: Class 5.

Quarter Hours Credit: 5. Prerequisite: ENG 151

ENG 160 - Introduction to Literature

As an introduction to literature through study of the genres of drama, poetry, and the short story, the student studies plot, characterization, figurative and symbolic language, form, and theme. Interpretation of literary works is emphasized, and a number of interpretive paragraphs and themes are written.

Course Hours Per Week: Class 5.

Quarter Hours Credit: 5. Prerequisite: ENG 152

ENG 250 - Folklore

This course on contemporary folklore places emphasis on folklore as an informal cultural process rather than as a particular type of cultural expression. The various genres of folklore are studied as well as their methods of transmission. Students participate in a folklore field work project in which they gain hands-on experience in the collection of folklore.

Course Hours Per Week: Class 5.

Quarter Hours Credit: 5. Prerequisite: ENG 151

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ENG 255 - Introduction to Creative Writing

This course focuses on the development of the creative process and ways to communicate that process. Students learn about the techniques involved in creative expression, study published examples of those techniques, and will apply the techniques to their writing. Students share their writing in a workshop format, practicing the skills of analysis and evaluation

Course Hours Per Week: Class 5.

Quarter Hours Credit: 5. Prerequisite: ENG 151

HRM 109 - Nutrition for Foodservice

This course focuses on nutrition as it relates to personal health, foods and food preparation, menu planning and recipe modification and marketing of nutritious items in the foodservice industry.

Course Hours Per Week: Class 3.

Quarter Hours Credit: 3. Prerequisite: None

HRM 124 - Managerial Accounting for the Hospitality Industry

This course presents managerial accounting concepts and explains how they apply to specific operations within the hospitality industry.

Course Hours Per Week: Class 3, Lab 2.

Quarter Hours Credit: 4. Prerequisite: ACC 122.

HRM 133 - Front Office Procedures

This course presents a systematic approach to front office procedures by detailing the flow of business through a hotel, beginning with the reservation process and ending with check-out and settlement. The course also examines the various elements of effective front office management, paying particular attention to planning and evaluating front office operations and to personnel management. Front office procedures and management are placed within the context of the overall operation of a hotel. Course includes computer applications. Course Hours Per Week: Class 3, Lab 2.

Quarter Hours Credit: 4.

Prerequisite: HRM 101 or permission of instructor

HRM 137 - Food and Beverage Management

A course providing a basic understanding of the principles of food production and service management, reviewing sanitation, menu planning, purchasing, storage, and beverage management, including computer applications.

Course Hours Per Week:

Class 3, Lab 2.

Quarter Hours Credit: 4.

Prerequisite: HRM 101 or permission of instructor

HRM 138 - Food Production Principles

The techniques and procedures of quality and quantity food production are explained and produced in this course. Principles underlying the selection, composition, and preparation of the major food products are included, as well as an extensive set of basic and complex recipes for practice.

Course Hours Per Week: Class 3, Lab 2.

Quarter Hours Credit: 4.

Prerequisites: HRM 137 and HRM 143 or permission of instructor

HRM 241 - Food and Beverage Controls

Principles and procedures involved in an effective food and beverage control system are covered. Also included are standards determination, the operating budget, income and cost control, menu pricing, and computer applications.

Course Hours Per Week: Class 3, Lab 2.

Quarter Hours Credit: 4.

Prerequisites: HRM 137, BUS 135

LEX 215 - Property II: Title Search

This course includes the study of the preparation of simple contracts for sale of real estate; examination of title; preparing simple titles; and role of judgements and estates in the determination of marketability of real estate title; the study and function of various documents, indices and files on public records in various county offices. Forms for abstracting title information from public records, summaries thereof, and various typical problems and errors which may render a title unmarketable are included.

Course Hours Per Week: Class 1, Lab 4.

Quarter Hours Credit: 3. Prerequisite: LEX 114

MAT 090 - Developmental Mathematics

This course is designed to provide the student with the fundamental concepts needed to undertake the mathematical sequences in the technical curricula. Topics include operations on whole numbers, prime numbers, multipliers and factors, powers and roots of whole numbers. Also included are operations on fractions and decimals, percentages, operations on the real number line, and geometry fundamentals.

Course Hours Per Week: Class 3. Institutional Hours Credit: 3. (Does not count toward graduation)

Prerequisite: None

MAT 093 - Beginning Algebra

This course covers the fundamentals of high school Algebra I. It is designed to qualify a student for admission into curricula having high school Algebra I as an admission requirement. It is also recommended for those students wanting an Algebra I review in preparation for starting the technical mathematics sequence.

Course Hours Per Week: Class 5. Institutional Hours Credit: 5. (Does not count toward graduation)

Prerequisite: None

MAT 094 - Intermediate Algebra, Part I

This course is the first in a sequence with MAT 095 being the second. Along with MAT 095, it is designed as a developmental course for college Algebra and for those students without a sufficient background in Algebra. It is recommended for those students needing an intermediate Algebra review in preparation for mathematics courses in their program but prefer to do this over two quarters. This course covers topics of Algebra II including linear equations and inequalities, polynomials, rational expressions and radicals.

Course Hours Per Week: Class 3. Institutional Hours Credit: 3. (Does not count toward graduation)

Prerequisite: Entrance Test qualification, or MAT 093

MAT 095 - Intermediate Algebra, Part II

This course is the second in a sequence with MAT 094 being the first. Along with MAT 094, it is designed as a developmental course for college Algebra and for those students without a sufficient background in Algebra. It is recommended for those students needing an intermediate Algebra review in preparation for mathematics courses in their program but prefer to do this over two quarters. This course covers topics of Algebra II including quadratic equations and inequalities, linear equations and lines, and exponential and logarithmic functions.

Course Hours Per Week: Class 3. Institutional Hours Credit: 3. (Does not apply toward graduation)

Prerequisite: MAT 094

MAT 096 - Intermediate Algebra (consolidated Part I and Part II)

This course is designed as a one quarter developmental course for college Algebra and for those students without a sufficient background in Algebra. It is recommended for those students needing an intermediate Algebra review in preparation for mathematics courses in their program. This course covers topics of Algebra II including linear and quadratic equations and inequalities, polynomial, rational, exponential and logarithmic functions, and radicals.

Course Hours Per Week: Class 5. Institutional Hours Credit: 5. (Does not count toward graduation)

Prerequisite: Entrance Test qualifications, or MAT 093

MAT 100 - Intermediate Algebra

This course is a developmental course for college Algebra. It is designed for those students without a sufficient background in Algebra. It is recommended for those students needing an intermediate Algebra review in preparation for college Algebra. This course covers topics of Algebra II including linear and quadratic equations and inequalities, polynomial and rational functions, radicals, lines, and parabolas.

Course Hours Per Week: Class 4. Institutional Hours Credit: 4. (Does not count toward graduation)

Prerequisite: None

NOTÉ: This class is for UNCW students only. This is equivalent to MAT 096

MEC 123 - Introduction to CAD/CAM

Students will study simple part programs for Computerized Numerical Controlled (CNC) machine tools, and be introduced to Computer Aided Design and Computer Aided Manufacturing (CAD-CAM) as used in industry.

Course Hours Per Week: Class 1, M. Lab 3.

Quarter Hours Credit: 2. Prerequisite: MEC 122

MSC 119 - Practical Photographic Applications

This course offers students practical experience in the photographic recording of field sites and data related to past biological, geological, chemical, and instrumentation studies. Practical visual presentation methods will be emphasized.

Course Hours Per Week: M. Lab 3.

Quarter Hours Credit: 1.

Prerequisite: PHO 110 or PHO 150

MUS 153 - Music in America

This course covers American music history from the Pilgrims to the present, including folk, religious, and popular styles as well as art music. Technical knowledge of music is not required.

Course Hours Per Week: Class 5.

Quarter Hours Credit: 5. Prerequisite: None

NUR 101 - Fundamentals of Nursing

Nursing 101 introduces the student to cognitive, psychomotor, and affective skills necessary to make sound nursing decisions and practice competently. Beginning knowledge of the nurses role as a member within the profession is addressed. The nursing process is introduced as a systematic method of managing nursing care. Psychosocial and physiological concepts basic to a humanistic and caring application of scientific principles are included.

Course Hours Per Week: Class 4, Lab 6.

Ouarter Hours Credit: 7.

Prerequisite: Acceptance in the ADN program

Corequisite: BIO 250, PSY 150 (may have been taken

previously)

NUR 102 - Common Stressors in Health.

Nursing 102 utilizes the nursing process as a tool to assist students in acquiring knowledge essential in providing care to patients experiencing common health stressors. The nurses role as a member of the profession is stressed in accurate reporting and recording. The nursing management of safe, accurate medication administration is emphasized and physical assessment skills are introduced. The student is provided the opportunity for humanistic and caring application of scientific principles in varied clinical agencies.

Course Hours Per Week: Class 4, Lab 2, Clinical 12.

Quarter Hours Credit 9.

Prerequisites: NUR 101, BIO 250

Corequisite: BIO 251

NUR 103 - Nursing Care of Adults I

Nursing 103 emphasizes the nursing process as an organizing framework to provide nursing care for patients experiencing common and/or chronic health deviations. Students are provided opportunities in affiliating agencies to demonstrate understanding of accountable management, in prioritizing, and organizing nursing care. Opportunities for professional growth, continuous learning and self-development are provided.

Course Hours Per Week: Class 6, Clinical 12.

Quarter Hours Credit: 10.

Prerequisites: NUR 102, BIO 122

NUR 104 - Maternal-Child Nursing

Nursing 104 is designed as a two part course which utilizes the nursing process to assist the student in the providing care for maternal, newborn, and pediatric patients. The student is expected to organize care and demonstrate accountable management of one or two patients through a collaborative process. Opportunities are provided for continued development as a member within the discipline of nursing. Clinical experiences are provided in acute and community based settings. The

student must pass the Maternal and Pediatric components of the course separately in order to pass the course.

Course Hours Per Week: Class 8, Clinical 6.

Quarter Hours Credit: 10

Prerequisites: NUR 103, PSY 250, PSY 252

NUR 120 - Nursing Transition

Nursing Transition provides an orientation to the conceptual framework of the Associate Degree Nursing Program. It is designed for the Licensed Practical Nurse entering the ADN program with advanced standing. The course emphasis is on concepts basic to nursing, common stressors in medical-surgical nursing, basic physical assessment skills, and pathophysiological processes with related nursing interventions for common problems in the respiratory, cardiovascular, reproductive, GI, and immune systems and diabetes mellitus. Clinical experience will focus on the utilization of the nursing process on medical-surgical floors in local hospitals.

Course Hours Per Week: Class 6, Lab 2, Clinical 3.

Ouarter Hours Credit: 8.

Prerequisites: BIO 250, BIO 251, PSY 150, PSY 250

Current unrestricted license as a LPN

Corequisite: BIO 252

NUR 201 - Psychiatric Nursing

Nursing 201 utilizes the nursing process as a tool to assist the student to gain current knowledge in providing care to individuals experiencing alterations in social and psychological functioning. The student must coordinate patient care as the patients interact with their families, groups, and/or communities. Opportunities for professional growth, continuous learning, and self-development are incorporated into the course. Clinical experiences are scheduled in both inpatient and community based settings.

Course Hours Per Week: Class 4, Clinical 6.

Quarter Hours Credit: 6.

Prerequisites: PSY 250, NUR 104

NUR 203 - Nursing Care of Adults II

In Nursing 203 the nursing process is utilized as the basis for providing patient-centered care through a collaborative approach involving the patient, family, significant others, and the health care team. The role of manager of care is emphasized and students are provided opportunities to organize, prioritize, and delegate accountable care for groups of patients experiencing common alterations in health. Clinical experiences include acute care and community based settings.

Course Hours Per Week: Class 6, Clinical 12.

Quarter Hours Credit: 10.

Prerequisites: NUR 201, NUR 202

NUR 204 - Nursing Care of Adults III

Nursing 204 utilizes the nursing process to guide the student in providing and managing care for adult patients experiencing more complex common health deviations. Clinical experiences are structured to facilitate the transition from the role of the student to the role of a practicing member within the discipline of nursing. Experiences are provided in Acute, Ambulatory, and home Health.

Course Hours Per Week: Class 6, Clinical 12.

Quarter Hours Credit: 10. Prerequisite: NUR 203 OSC 100 - Basic Keyboarding

This is an introduction to the touch typewriting system with emphasis on correct techniques, mastery of the keyboard, simple business correspondence, tabulation, and manuscripts. A minimum speed requirement is 20 gross words a minute with 5 errors allowed.

Course Hours Per Week: Class 1, Lab 2.

Quarter Hours Credit: 2. Prerequisite: None

PHI 160 - Introduction to Ethics

An examination of major philosophical approaches to ethical theory and moral decision making with a balance between theory and applied ethics.

Course Hours Per Week: Class 5.

Quarter Hours Credit: 5. Prerequisite: None

PHY 150 - College Physics I

A general college physics course designed to meet the needs of students working toward a Bachelor's Degree in Arts and Science. The course covers the principles and practical applications of Mechanics. Topics include: scalars and vectors, linear motion, Newton's laws, work, energy, power, momentum, torques, rotational dynamics and equilibrium. The student will develop basic skills of scientific experimentation including manipulation of apparatus and recording and analyzing data.

Course Hours Per Week: Class 3, Lab 2.

Quarter Hours Credit: 4.

Prerequisite: MAT 160 and MAT 161 with grades of C or

better.

POL 250 - State and Local Government

This course is designed to analyze the relationship between federal government and state and local governments. It covers the organization, functions, legal procedures, and political processes at state and local level.

Course Hours Per Week: Class 5.

Quarter Hours Credit: 5. Prerequisite: None

PSY 175 - Psychology of Adjustment

This course covers the fundamental psychological perspectives related to the development of human behavior and adjustment to daily life. Special emphasis is given to the foundation of adjustment; sources, effects, and management of stress; mental health concerns; drug abuse, addiction, and coping strategies; interpersonal relationships, gender roles and sexuality. (not a preparation for higher level courses in psychology) Course Hours Per Week: Class 5.

Quarter Hours Credit: 5. Prerequisite: None

RAD 100 - Introduction to Radiologic Technology

This course is designed to acquaint the student with the profession of Radiologic Technology and to prepare them for the clinical components of the program. The rules and philosophies of the Radiography Program, radiology departments, and profession are discussed in detail. Other topics presented include the history of the profession, ethics, career advancement, and professional organizations. Issues such as certifica-

tion. licensure, and professional development are also discussed. The basics of radiation safety will be emphasized.

Course Hours Per Week: Class 2, Lab 2.

Quarter Hours Credit: 3. Prerequisite: None

RAD 101 - Medical Terminology

This course is designed to help the student develop a medical vocabulary. Combining forms, roots, prefixes, suffixes, plurals, abbreviations, specialty terms, and medical symbols will be studied. The student will learn to interpret radiographic requests and diagnostic reports. Terms specific to radiology will be emphasized.

Course Hours Per Week: Class 1.

Quarter Hours Credit: 1. Prerequisite: None

RAD 102 - Patient Care in Radiology

An introduction to the care of patients in the radiology department. Students will learn about the patient-technologist relationship, the physical and emotional needs of the patient, giving physical assistance to the patient, working with sterile items. protecting patients and themselves from injury and the acquisition of diseases, and the administration of radiographic contrast media. Patient rights will be considered and an overview of the common drugs used in the radiology department will be given.

Course Hours Per Week: Class 2, Lab 2.

Quarter Hours Credit: 3.

Prerequisite: CPR Certification (AHA Course B or equivalent) within the previous three (3) months.

RAD 103 - X-Ray Physics and Equipment

Application of the principles of physics to the operation and maintenance of x-ray equipment. Emphasis will be placed on atomic structure, electricity, and electromagnetism and how they relate to the design and function of x-ray circuits and equipment. The student will study typical circuits and the functional characteristics of single phase, three phase, capacitive discharge, and mobile x-ray equipment.

Course Hours Per Week: Class 4.

Quarter Hours Credit: 4.

Prerequisite: MAT 121 (or concurrent)

RAD 104 - Radiographic Procedures I

This course presents an introduction to the basic principles and terminology of radiographic positioning. The student will learn the positions necessary for radiography of the chest, abdomen, and appendicular skeleton along with the related radiographic anatomy. Students will observe, practice, and be evaluated according to a competency-based system in the laboratory and classroom.

Course Hours Per Week: Class 3, M. Lab 6.

Quarter Hours Credit: 5.

Prerequisite: BIO 250 (or concurrent)

RAD 105 - Radiographic Procedures II

This course is a continuation of RAD 104. Emphasis will be placed on the positioning techniques necessary to visualize the appendicular and axial skeleton. Procedures for the urinary and digestive system requiring contrast media will be studied and the related radiographic anatomy will be presented. Students will observe, practice, and be evaluated according to a

competency-based system in the laboratory and classroom. Course Hours Per Week: Class 3, M. Lab 6.

Quarter Hours Credit: 5. Prerequisite: RAD 104

RAD 106 - Radiographic Procedures III

This course is a continuation of RAD 105. The student will finish examinations using contrast media and study radiography of the cranium including the skull and facial structures. Radiographic anatomy is also studied. Students will observe, practice, and be evaluated according to a competency-based system in the laboratory and classroom.

Course Hours Per Week: Class 3, M. Lab 6.

Quarter Hours Credit: 5. Prerequisite: RAD 105

RAD 107 - Principles of Radiation Production & Control

Study of the types, production, and characteristics of radiation. The student will look at the structure and characteristics of x-ray tubes, the processes involved in the production of radiation, and the interactions of radiation with matter. Control of the quantity and quality of radiation will be covered and radiation detecting devices will be explained. The behavior of waves and particles will be introduced.

Course Hours Per Week: Class 3, Lab 2.

Quarter Hours Credit: 4. Prerequisite: RAD 103

RAD 108 - Radiographic Image Production

Study of the structure and characteristics of radiographic film, intensifying screens, cassettes, and processing equipment. The formation of the radiographic latent image and its subsequent chemical development into a visible image will be emphasized. Sensitometry will be used to study film characteristics.

Course Hours Per Week: Class 3.

Quarter Hours Credit: 3.

Prerequisites: RAD 103 and RAD 107

RAD 109 - Clinical Orientation

This clinical course introduces the student to the radiology department by rotations through each of the diagnostic and ancillary areas. The student is expected to become familiar with operating x-ray equipment and to observe radiographic examinations under the direct supervision of a registered radiographer. Clinical competency evaluations will be conducted on equipment operation an may be requested on chest, abdomen, and appendicular skeleton.

Course Hours Per Week: Clinical 6.

Quarter Hours Credit: 2.

Prerequisite: Concurrent enrollment in RAD 104

RAD 110 - Clinical Education I

Practical experience in a hospital or physician's office setting that will enable the student to apply theory presented and to practice radiographic equipment manipulation, routine radiographic positioning, and patient care techniques. Competency evaluation of the chest, abdomen, and appendicular and axial skeletons will continue and students may request evaluation for contrast examinations of the urinary and digestive systems. The student will be under both direct and indirect supervision depending on the level of competency achieved.

Course Hours Per Week: Clinical 12.

Quarter Hours Credit: 4.

Prerequisite: RAD 109 and concurrent enrollment in RAD 105

RAD 111 - Clinical Education II

This course is a continuation of RAD 109. Selected experiences in a clinical setting will provide the student with the opportunity to continue practice in radiographic equipment manipulation, radiographic positioning, and patient care techniques. Competency evaluation continues and the student may request evaluation on examinations of the cranium. Students continue to be under both direct and indirect supervision.

Course Hours Per Week: Clinical 12.

Quarter Hours Credit: 4.

Prerequisite: RAD 110 and concurrent enrollment in RAD 106

RAD 112 - Clinical Education III

The emphasis of this course is on the clinical application of all radiographic procedures presented in previous courses. Students will have expanded responsibilities in the clinical area while continuing competency evaluation under both direct and indirect supervision.

Course Hours Per Week: Clinical 15.

Quarter Hours Credit: 5. Prerequisite: RAD 111

RAD 201 - Radiologic Technique

Study of the factors affecting exposure to the radiographic image receptor. Analysis of image quality and the structure and function of the accessory equipment used in radiography will be discussed. Radiographic density, radiographic contrast, recorded detail, and distortion will be considered along with the technical factors which control and affect each. Technique systems will be introduced and laboratory exercises will be utilized to reinforce concepts studied.

Course Hours Per Week: Class 3, Lab 4.

Quarter Hours Credit: 5.

Prerequisites: RAD 103 and RAD 107

RAD 202 - Radiologic Imaging

A survey of the various imaging modalities. Emphasis will be on the non-film/screen imaging systems including image intensification and fluoroscopy, videotape/videodisc recording, television monitoring, ultrasonography, xeroradiography, computed tomography, and magnetic resonance imaging.

Course Hours Per Week: Class 3.

Quarter Hours Credit: 3.

Prerequisite: RAD 103 and RAD 201

RAD 203 - Radiologic Pathology

A survey of the commonly encountered medical and surgical disorders, their affect on the radiologic examination, and their presentation on the finished radiograph. The student will learn the effects of disease on the radiologic examination with correlation of the various disorders with radiographs.

Course Hours Per Week: Class 2.

Quarter Hours Credit: 2

Prerequisites: BIO 250, BIO 251, RAD 104, RAD 105, and RAD 106

RAD 204 - Methods of Quality Assurance

An introduction to the evaluation of radiographic systems to assure consistency in the production of quality images. The components involved in the radiographic system will be identified and tests and procedures to evaluate these components will be discussed. Photographic quality assurance will be used

to evaluate radiographic processors. The student will test various pieces of radiographic equipment in the laboratory setting.

Course Hours Per Week: Class 2, Lab 2.

Quarter Hours Credit: 3.

Prerequisites: RAD 103, RAD 107, and RAD 201

RAD 205 - Radiation Biology and Protection

This course is designed to provide the student with a thorough knowledge of the effects of radiation on living systems from the cell up to the entire individual. Emphasis is placed on the short- and long-term genetic and somatic effects of both high and low levels of radiation exposure. The course stresses the understanding and use of available methods that the radiographer may use to keep patient and staff exposure to a minimum. Regulations dealing with radiation protection are covered and the ALARA concept is emphasized.

Course Hours Per Week: Class 4.

Ouarter Hours Credit: 4.

Prerequisites: BIO 250, BIO 251, RAD 103, and RAD 107

RAD 206 - Radiographic Procedures IV

Conclusion of the study of radiographic procedures and positioning. Procedures involving the central nervous, reproductive, and circulatory systems along with mammography, tomography, foreign body localization, trauma and pediatric radiography will be covered. Cross-sectional anatomy will be studied.

Course Hours Per Week: Class 4.

Quarter Hours Credit: 4. Prerequisite: RAD 106

RAD 207 - Clinical Education IV

A continuation of practical experience in a hospital or physician's office setting. The student will be given increasing responsibilities which will eventually allow the student to demonstrate his ability to operate a radiographic room and other radiographic equipment with minimum supervision and to evaluate the radiograph he/she has produced. Competency evaluation continues with students under both direct and indirect supervision.

Course Hours Per Week: Clinical 18.

Quarter Hours Credit: 6. Prerequisite: RAD 112

RAD 208 - Clinical Education V

Continuation of clinical experience. Increasing responsibilities will be offered in manipulation of radiographic equipment and radiographic procedures. Evaluation of radiographs will be emphasized and an introduction to the radiologic specialties will be included with short rotations through the specialty areas. Weekly film critiques will be held.

Course Hours Per Week: Lab 2, Clinical 18.

Quarter Hours Credit: 7. Prerequisite: RAD 207

RAD 209 - Clinical Education VI

Continuation of practical experience in the clinical setting. Increasing responsibilities in radiographic procedures will lead the student to indirect supervision in most areas of radiography. Competency evaluation will be completed. Weekly film critiques will strengthen the student's ability to evaluate radiographs and identify radiographic anatomy.

Course Hours Per Week: Lab 2, Clinical 21.

Ouarter Hours Credit: 8. Prerequisite: RAD 208

RAD 210 - Clinical Education VII

Completion of clinical education. The student will be rotated through areas which the faculty and student feel are necessary to strengthen the student's clinical experience. The level of supervision will be mostly indirect. Final competency evaluation will be performed and simulation of infrequent examinations will be completed. Weekly film critiques will be held. Course Hours Per Week: Lab 2, Clinical 21.

Quarter Hours Credit: 8. Prerequisite: RAD 209

RED 070 - College Level Reading

College Level Reading develops effective reading and clear thinking skills at the college level. Students will learn to read and interpret passages from textbooks, periodicals, and catalogs. Students also will learn to read and interpret application forms and basic business agreements. The primary purpose of this course is to prepare students to read materials encountered in college courses and in personal activities.

Course Hours Per Week: Class 5. Institutional Hours Credit: 5. (Does not apply toward graduation.) Prerequisite: Placement by entry testing

RED 080 - Advanced Reading I

Advanced Reading I continues the student's mastery of literate levels of comprehension. Vocabulary emphasis is on words specific to the content of various curricula. Students learn to read for a variety of purposes.

Course Hours Per Week: Class 5. Institutional Hours Credit: 5. (Does not apply toward graduation.)

Prerequisite: Satisfactory completion of RED 070 or place-

ment by entry testing

RED 090 - Advanced Reading II

Advanced Reading II teaches reading for writing and encourages effective research skills. The course prepares students to read complex materials, to research information, and to use higher level critical thinking skills. This course lends itself to writing at the computer, and students are taught to analyze and produce writing for reading for their peers.

Course Hours Per Week: Class 5. Institutional Hours Credit: 5. (Does not apply toward graduation.)

Prerequisite: Satisfactory completion of RED 080 or place-

ment by entry testing

DELETED COURSES

ART	151	ENG	106
ART	252	ENG	207
CAS	101A	SOC	102
CAS	101B	SOC	103
ELN	206	MAT	099
ENG	104	MSC	134
FNG	105		

VOCATIONAL CURRICULA

In North Carolina, as well as throughout the nation, the demand for skilled tradesmen is at an all-time high. Hardly a day passes that the College does not have at least one call from industry looking for prospective employees. Graduates of the trade programs sometimes have as many as four or five offers of employment upon graduation.

Students in the skilled trade programs are trained in shops similar to those of private industries. The shops contain testing and measuring instruments, tools, and equipment of the same size and types as found in private firms. The facilities make possible practical instruction which is essential to the preparation of skilled workers needed by today's modern industries. Students in these trade programs spend twenty-five to thirty hours per week in school; this time is divided between classroom studies and practical shop work.

Skilled craftsmanship in the occupation, appropriate educational background and leadership ability are the bases for instruction selection in these trade courses.

A diploma is awarded to those students who satisfactorily complete the full-time trade program. To be eligible for the diploma, students must maintain satisfactory grades in all shop and class work, and maintain an overall grade point average of 2.00.

CAPE FEAR COMMUNITY COLLEGE AUTHORIZED PROGRAMS

One year (12 months) training courses are offered in the following skilled trades:

		CODE	DAY	EVENING	ADVANCED DIPLOMA DIPLOMA
1	Air Conditioning, Heating & Refrigeration	V024	*		*
2	Boatbuilding	V115	*		*
3	Dental Assisting	V011	*		*
4	Industrial Electricity	V124	*		*
5	Industrial Mechanics	V033	**		*
6	Light Construction	V029	*		*
7	Marine and Diesel Mechanics	V034	*		*
8	Phlebotomy (Certificate Program)	V168		*	
9	Practical Nursing	V038	*		*
10	Welding	V050	*	*	3/5

Air Conditioning, Heating and Refrigeration

The Air Conditioning, Heating and Refrigeration curriculum is designed to teach knowledge and skills necessary for servicing and installing residential and light commercial climate control equipment. Instruction will include heating and cooling theory, applied electricity and electronics, and the operating principles for a wide-range of heating and cooling equipment. The diploma program will emphasize start-up and service skills for oil, gas and electric furnaces, air-cooled air conditioning and air-to-air heat pumps.

Advanced diploma level programs will provide for more indepth study and experience and will also include service and installation of water-cooled air conditioners, water source heat pumps, variable speed heat pumps, conventional hydronic systems and residential and light commercial system design.

MAJOR CO	DURSES	Credit
AHR 1113	Servicing Heating Equipment	6
AHR 1115		3
AHR 1121	Principles of Refrigeration	6
AHR 1123	Principles of Air Conditioning	5
AHR 1129	Applied Electricity for Heating,	
	Ventilation & Air Conditioning Systems	3
AHR 1132	Air Conditioning Servicing	7
AHR 1135	Applied Electronics for Heating,	
	Ventilation & Air Conditioning Systems	3
AHR 1138	All-Weather Systems: Convention	6
AHR 1139	All-Weather Systems: Heat Pumps	_7
		46
RELATED	COURSES	
	Blueprint Reading	3
ELC 1150	Basic Electricity	3
ELC 1151	Applied Wiring Diagrams	3
MAT 1101	Trade Mathematics	5
WLD 1104	Basic Gas Welding	_2
		16

GENERAL EDUCATION ENG 1101 Communication Skills 2 PHY 1101 Applied Science 4 PSY 1101 Human Relations 3 TOTAL CREDITS 71

AIR CONDITIONING, HEATING AND REFRIGERATION

The four-quarter sequence of courses recommended for the full-time student is:

I-FALL	III-SPRING
AHR 1113	AHR 1123
AHR 1115	AHR 1132
ELC 1150	AHR 1135
MAT 1101	PHY 1101
WLD 1104	
II-WINTER	IV-SUMMER
AHR 1121	AHR 1138
AHR 1129	AHR 1139
BPR 1104	PSY 1101
ELC 1151	
ENG 1101	

Boatbuilding

The Boatbuilding curriculum prepares individuals for employment in the boat manufacturing and repair industries. Today's boatbuilder is a skilled craftsman who can create complex shapes out of fiberglass, wood and an array of other space age materials. The boatbuilder must be able to select the proper tools and materials required for a particular job and to plan its efficient execution so that the work can be finished in accordance with blueprint specifications.

Graduates may find employment with a yacht manufacturer or other companies that need fine wooden furniture and mouldings fabricated and installed. Opportunities also exist in the fiberglass industry. Boathulls, some automobile bodies, shower stalls and other items are made from fiberglass molds. Boatbuilding graduates know how to build these molds to a mirror finish from a set of blueprints. Graduates may also find employment with a boat yard that maintains, repairs and renovates boats.

MAJOR CO	DURSES	Credit
WWK1110	Modern Yacht Joiner Practice I	5
WWK1111	Modern Yacht Joiner Practice II	4
BTB 1114	Yacht Repair and Renovation	7
ELC 1101	Practical Marine Electricity I	3
FBG 1101	Fiberglass Mold Making	7
BTB 1110	Boat Building I	9
BTB 1111	Boat Building II	8
BTB 1112	Boat Building III	7
MSC 1120	Marine Systems	_2
	•	52
RELATED	COURSES	
DFT 1127	Marine Drafting	5
MAT 1101	Trade Mathematics	_5
		10
GENERAL EDUCATION		
ENG 1101	Communication Skills	2
PHY 1101	Applied Science	4
	* *	4 6
TOTAL CREDITS 68		

BOATBUILDING

The four-quarter sequence of courses recommended for the full-time student is:

I-FALL	III-SPRING
BTB 1110	BTB 1112
DFT 1127	PHY 1101
MAT 1101	WWK 1111
II-WINTER	IV-SUMMER
BTB 1111	BTB 1114
ELC 1101	FBG 1101
ENG 1101	MSC 1120
WWK 1110	

Dental Assisting

The Dental Assisting curriculum prepares graduates to assist the dentist in providing treatment services. Functions performed by the dental assistant include dental health education, preparing dental materials, preparing the patient for treatment, taking dental X-rays, maintaining dental supplies and equipment, assisting the dentist providing selected services for the patient, making appointments, maintaining patient records and other office management procedures. Graduates may be employed by dental offices, dental clinics, public health clinics, federal service clinics, dental schools, state health department, dental manufacturers and insurance companies.

Graduates are eligible to take the examination given by the Dental Assisting National Board, Incorporated to become a certified dental assistant.

Individuals desiring a career in dental assisting should, if possible, take biology, mathematics and typing courses prior to entering the program.

Competencies:

In the process of successfully completing this program of study, the student will have demonstrated the ability to:

- 1. Demonstrate a sound grasp of basic skills and knowledge in general studies, biomedical sciences, dental sciences and clinical sciences.
- 2. Practice dental assisting as an integral member of the dental health team within the ethical and legal framework of the profession with a high standard of competency.
- 3. Effectively apply oral and written communication skills in interaction with patients, members of the dental team and other health care professionals.
- 4. Successfully complete the Dental Assisting National Board to become a certified dental assistant.

The dental assisting program is accredited by the Commission on Dental Accreditation, a specialized accrediting body recognized by the Commission on Recognition of Postsecondary Accreditation and by the United States Department of Education. The Commission on Dental Accreditation can be contacted at (312) 440-2719 or at 211 East Chicago Avenue, Chicago, IL 60611.

MAJO	OR CO	DURSES	Credit	
_		Introduction Dental Assisting	1	
		Dental Materials I	3	
DEN	1003	Dental Sciences I	4	
DEN	1004	Dental Sciences II	3	
DEN	1006	Dental Materials II	4	
DEN	1008	Dental Office Management I	4	
DEN	1009	Dental Radiology	5	
DEN	1010	Clinical Procedures I	6	
DEN	1011	Dental Office Management II	3	
DEN	1012	Dental Office Practice	7	
DEN	1013	Basic CPR and Dental Emergencies (C)	2	
DEN	1014	Clinical Procedures II	5	
DEN	1015	Dental Office Practice II	10	
DEN	1016	Oral Health and Nutrition	_3	
			60	
RELATED COURSES				
BIO	1121	Human Anatomy and Physiology (C)	5	
		or		
BIO	G240	Human Anatomy and Physiology (B)	6	
		or		
	1110		5	
Five (Five (5) Credit Hours Required			

	EDUCATION		
ENG 101	Grammar (C) or		3
ENG 101	English I (B)		3
ENG G101	Freshman Composition	on (B)	5
ENG 101	Composition I (JS) or		5
ENG 114	Oral Communication	s (C)	3
COM G105		nunication Studies (B)	5
ENG 204	or Oral Communication	s (JS)	3
SPH 161	or Fundamentals of Speech Communicati and	ons (S)	3
PSY 102	Introduction to Psych	ology (C)	3
PSY G105	General Psychology ((B)	5
PSY 105	General Psychology	(JS)	5
PSY 201 Nine (9) Cre	or Introduction to Psych dit Hours Required	ology (S)	5
(JS) James S (S) Southeas	ck Community Colleg prunt Community Colle tern Community Colle ar Community College	lege ege	
TOTAL CR	REDITS		7 4
DENTAL A The four-qu the full-time	arter sequence of co	urses recommended fo	or
I-FALL BIO 1121 DEN 1001 DEN 1002 DEN 1003 DEN 1010 DEN 1013		III-SPRING DEN 1008 DEN 1012 DEN 1016 ENG 101	
II-WINTER DEN 1004 DEN 1006 DEN 1014 DEN 1009 PSY 102		IV-SUMMER DEN 1011 DEN 1015 ENG 114	

Industrial Electricity

The Industrial Electricity program is designed to prepare students for the installation, repair and maintenance of electrical equipment. The emphasis is on motors and related control systems, but students who take the basic courses will have sufficient knowledge and skill to work as helpers for electricians or repairmen in house wiring. small appliance repair, industrial maintenance, lineman and related jobs.

MAJOR CO	OURSES	redit
ELC 1104	Basic Electricity I	8
ELC 1105	Basic Electricity II	8
ELC 1115	AC and DC Machinery	7
ELC 1116	Motor Control	5
ELC 1125	Industrial Wiring Practices	6
ELN 1106	Instrument Familiarization	5
ELM 1111	Electro-Mechanical Relays and Symbols	5
ELN 1130	Solid State Devices, Circuits and Symbols	s <u>7</u>
		51
RELATED		
	Blueprint Reading	3
	Blueprint Reading	3
	Trade Mathematics	5 5
ELC 1120	Electrical Calculations	5
WLD 1102	Basic Welding	_1
		17
	EDUCATION	
	Communication Skills	2
	Communication Skills	2
PSY 1101	Human Relations	2 <u>3</u> 7
		7
TOTAL CR	REDITS:	75

INDUSTRIAL ELECTRICITY

The four-quarter sequence of courses recommended for the full-time student is:

I-FALL	III-SPRING
ELC 1104	BPR 1104
ELN 1106	ELC 1115
ENG 1101	ELC 1116
MAT 1101	PSY 1101
II-WINTER	IV-SUMMER
ELC 1105	BPR 1109
ELC 1120	ELC 1125
ELM 1111	ELN 1130
ENG 1102	WLD 1102

Industrial Mechanics

The curriculum in Industrial Mechanics prepares students with a broad background in industrial skills required by industry for its mechanics. The individual develops skills in the repair and maintenance of industrial equipment, basic welding and cutting, refrigeration and air conditioning, direct and alternating current, machines and their controls, and related courses.

MAJOR CO	DURSES	Credit
AHR 1103	Basic Heating and Air Conditioning	2
ELC 1100		2
ELC 1117	Industrial AC Motors and Controls	2
MEC 1113	Shop Processes I	2
MEC 1114	Shop Processes II	2 2 2 2 2 2 2
HYD 1121	Industrial Hydraulics I	2
HYD 1122	Industrial Hydraulics II	2
MEC 1127	Industrial Mechanics I	6
MEC 1128	Industrial Mechanics II	7
MEC 1129	Industrial Mechanics III	6
MEC 1130	Industrial Mechanics IV	8
WLD 1106		2
WLD 1107	Welding and Burning II	_2
		45
RELATED		
BPR 1104	Blueprint Reading	3
BPR 1105		1
BPR 1108	1 2	3 5
MAT 1101		5
MAT 1102	Trade Mathematics	_5
		17
	EDUCATION	
	Communication Skills	2 4
	Applied Science	4
PSY 1101	Human Relations	3
		9
TOTAL CR	PEDITS.	71
TOTAL CR	EDIIS.	/1

INDUSTRIAL MECHANICS

WLD 1107

The four-quarter sequence of courses recommended for the full-time student is:

I-FALL	III-SPRING
AHR 1103	BPR 1108
BPR 1104	ELC 1100
MAT 1101	MEC 1113
MEC 1127	HYD 1121
WLD 1106	MEC 1129 PSY 1101
II-WINTER	IV-SUMMER
BPR 1105	ELC 1117
ENG 1101	MEC 1114
MAT 1102	HYD 1122
MEC 1128	MEC 1130

PHY 1101

Light Construction

The Light Construction curriculum prepares individuals for employment in the building trades industry. Instruction is provided in carpentry, masonry, electrical wiring and plumbing. Students study applied mathematics, blueprint reading and sketching, safety and other related subjects. They learn the methods used in laying out a small structure, mixing and pouring cement, rough framing, laying brick and block, roofing and exterior finishing.

Graduates may find employment with home builders or with commercial building contractors. They may enter the building trades as apprentices or work as building maintenance mechanics in small industries or public buildings including schools, hospitals and apartment houses. After sufficient experience in the trade, some workers may establish their own business.

	MAJO	OR CO	OURSES		Credit
	CAR	1101	Carpentry (Rough)		10
	CAR	1102	Carpentry (Framing)		10
	CAR	1103	Carpentry (Finishing)		11
	BPR	1135	Blueprints and Field	Coordination	3
	ELC	1109	Electrical Wiring		3
		1101			10
	PLU	1101	Basic Plumbing		_3
					50
	RELA	TED	COURSES		
	BPR	1110	Building Trades Blue	print	
			Reading and Sketchir		5
	BPR	1113	Blueprint Reading: B	uilding Trades	5
	MAT	1101	Trade Mathematics		5 5 <u>5</u> 15
					15
			EDUCATION		
			Communication Skill		2
		1102			2
	PSY	1101	Human Relations		2 2 <u>3</u> 7
					/
TOTAL CREDITS 72					
LIGHT CONSTRUCTION					
The four-quarter sequence of courses recommended for					
	the fu	ll-time	e student is:		
	I-FAI	L		III-SPRING	
	BPR			CAR 1103	
	CAR	1101		PLU 1101	
	ENG	1101			
	MAT	1101			
	II-WI	NTEF	2	IV-SUMMER	
	BPR			BPR 1135	
	CAR	1102		ELC 1109	
	ENG	1102		MAS 1101	
	PSY 1	1101			

Marine and Diesel Mechanics

The Marine and Diesel Mechanics curriculum provides training for individuals interested in becoming mechanics to service and maintain the propulsion system for boats and various types of marine equipment. Manual skills in servicing marine and diesel equipment are developed in practical shop work. A thorough understanding of the operating principles of this equipment is provided through classroom instruction, laboratory experiments, group discussions and shop practices.

Marine and diesel engine mechanics maintain and repair mechanical, electrical, hydraulic and pneumatic equipment used on boats and in industrial applications. Mechanics inspect and test equipment to determine the causes of faulty operation; repair or replace defective parts to restore the machine or unit to proper operating condition; and use shop manuals, manufacturers' maintenance manuals and other publications for technical information.

MAJ	OR CO	DURSES Cro	edit
DIE	1100	Introduction to Gas and Diesel Engines	8
DIE		Marine and Diesel Engine	
		Theory and Practice I	6
DIE	1102	Marine and Diesel Engine	
		Theory and Practice II	7
DIE	1103	Marine and Diesel Engine	
		Theory and Practice III	8
DIE	1104	· ·	2
DIE	1105	Marine and Diesel Power-Train Systems II	2
DIE	1108	Gas Diesel Fuel Systems I	3
DIE		Gas Diesel Fuel Systems II	3
DIE	1110		2 2 3 3 3 5 47
HYD	1136	Fundamentals of Hydraulics	_5
			47
RELA	ATED	COURSES	
ELC	1111	Direct and Alternating Electricity	3 5
MAT	1101	Trade Mathematics	5
PHY	1101	Applied Science	4
BPR	1131	Schematics and Diagrams:	
		Marine and Diesel	3
WLD	1101	Basic Welding	$\frac{3}{2}$
			17
		EDUCATION	
		Communication Skills	2
		Communication Skills	2
PSY	1101	Human Relations	2 2 3 7
			7
TOTA	AL CR	REDITS	71

MARINE AND DIESEL MECHANICS

The four-quarter sequence of courses recommended for the full-time student is:

I-FALL	III-SPRING
DIE 1100	DIE 1102
ENG 1101	DIE 1105
MAT 1101	DIE 1109
PHY 1101	PSY 1101
	WLD 1101
II-WINTER	IV-SUMMER
DDD 1121	DIE 1102

II-WINTER	IV-SUMMEI
BPR 1131	DIE 1103
DIE 1101	DIE 1110
DIE 1104	HYD 1136
DIE 1108	
ELC 1111	

Phlebotomy

ENG 1102

The Phlebotomy curriculum prepares the graduate to draw blood specimens from patients for the purpose of testing and analyzing blood. The job involves duties related to the preparation and maintenance of equipment used in obtaining blood specimen; the use of appropriate communication skills when working with patients; the selection of venipuncture sites; the care of blood specimen; and the entry of the testing process into the computer, as well as clerical duties associated with record keeping of the blood tests.

MAJ	OR CO	DURSES	Credit
BIO	1121	Anatomy and Physiology I	5
BUS	1183	Terminology and Vocabulary	3
PBT	1101	Introduction to Health Care Team	1
PBT	1102	Blood Collection Process	2
PBT	1103	Safety, Quality, and Liability	1
PBT	1104	Phlebotomy Clinical Experience	_4
			16

THIS PROGRAM IS CURRENTLY UNDER REVISION

Practical Nursing

The Practical Nursing curriculum is designed to prepare the graduate to participate in assessing, planning, implementing and evaluating nursing care. The graduate is eligible to apply totake the National Council Licensure Examination (NCLEX-PN) which is required for practice as a Licensed Practical Nurse. Licensed Practical Nurses function under the supervision of the registered nurse or physician.

Licensed practical nurses may be employed in hospitals, long term care facilities, clinics, doctors' offices, industry, and public health agencies.

Individuals desiring a career in practical nursing should be encouraged to take math and science courses in high school.

MAJOR CO	OURSES	Credit
NUR 101P	Fundamentals of Nursing	7
NUR 105P	Issues and Trends	2
PHM 1002	Pharmacology	4
NUR 1003	Medical-Surgical Nursing I	12
NUR 1005	Medical-Surgical Nursing II	15
NUR 1009	Maternal-Child Health Nursing	<u>13</u> 53
		33
RELATED	COURSES	
BIO 1003	Introduction to Human Body	5
PSY 250	Growth and Development	_5
		10
GENERAL	EDUCATION	
ENG 114		3
PSY 150		
151 150	introduction to 1 sychology	<u>5</u> 8
TO THE A CIT		=-
TOTAL CF	REDITS	71
AUDIT CO	URSES	
	Fundamentals of Nursing	7
	Pharmacology	4
	Medical Surgical Nursing I	8
	Maternal-Child Health Nursing	9
	8	

PRACTICAL NURSING

The four-quarter sequence of courses recommended for the full-time student is:

I-FALL	III-SPRING
BIO 1003	ENG 114
NUR 101P	NUR 1009
PSY 150	

II-WINTER	IV-SUMMER
NUR 1003	NUR 105P
PHM 1002	NUR 1005
PSY 250	

Welding

The Welding curriculum gives students sound understanding of the principles, methods, techniques and skills essential for successful employment in the welding field and metals industry. Welders join metals by applying intense heat, and sometimes pressure to form a permanent bond between intersecting metals.

Welding offers employment in practically any industry: shipbuilding, automotive, aircraft, guided missiles, heavy equipment, railroads, construction, pipefitting, production shops, job shops and many others.

MAJOR CO	DURSES	Credit
MEC 1113	Shop Processes I	2
MEC 1114	Shop Processes II	2
WLD 1119	Basic Arc Welding & Oxy-Fuel Cutting	10
WLD 1122	Commercial and Industrial Practice	3
WLD 1123	Inert Gas Welding (Tig, Mig and Plasma	n) 9
WLD 1124	Pipe Welding	6
WLD 1125	Certification Practices	4
WLD 1127	Advanced Arc Welding	<u>10</u>
		46
RELATED	COURSES	
BPR 1112	Blueprint Reading: Welding	2
BPR 1117	Blueprint Reading: Welding	1
BPR 1120	Blueprint Reading of Pipe	
	Drawings and Pipe Sketching	1
MAT 1101	Trade Mathematics	5 4
PHY 1101	Applied Science	4
PHY 1102	Applied Science	$\frac{4}{17}$
		17
GENERAL	EDUCATION	
ENG 1101	Communication Skills	2
ENG 1102	Communication Skills	2
PSY 1101	Human Relations	2 2 3 7
		7
TOTAL CR	REDITS	70

WELDING

The four-quarter sequence of courses recommended for the full-time student is:

I-FALL	III-SPRING
BPR 1112	BPR 1120
MAT 1101	MEC 1113
WLD 1119	PHY 1102
	WLD 1122
II-WINTER	WLD 1123
BPR 1117	
ENG 1101	IV-SUMMER
PHY 1101	ENG 1102
WLD 1127	MEC 1114
	PSY 1101
	WLD 1124
	WLD 1125

VOCATIONAL COURSE DESCRIPTIONS

BIO 1003 - Introduction to the Human Body

This course is designed to help the student gain knowledge about the human body. The types of health are identified as they relate to nurses and patients. Useful signs in the evaluation of health or deviations from health are explained. Lectures will be given on heredity, introductory bacteriology and immunity. Detailed information will then be given on each system of the body.

Course Hours Per Week: Class 5.

Quarter Hours Credit 5. Prerequisite: None

BPR 1106 - Blueprint Reading replaced with BPR 106

Students will study advanced blueprint reading and sketching as related to detail and assembly drawings used in machine shops. The interpretation of drawing of complex parts and mechanisms for features of fabrication, construction, and assembly is included.

Course Hours Per Week: M. Lab 3.

Quarter Hours Credit 1. Prerequisite: BPR 1105

BPR 1117 - Blueprint Reading: Welding

Emphasis shall be placed on a thorough study of trade drawings in which welding procedures are indicated. Interpretation, use and application of welding symbols, abbreviations, and specifications will also be studied.

Course Hours Per Week: M. Lab 3.

Quarter Hours Credit 1. Prerequisite: None

ELC 1101 - Practical Marine Electricity I

Emphasis is placed on an understanding of the basic 12-volt (DC) direct current electrical system from boat batteries. The (AC) alternating current system which is on some small vessels is also discussed. The installation and wiring of the various lights, electrical instruments and electric motors on a boat is studied in great detail. Safety is stressed throughout the course. Course Hours Per Week: Class 2, M. Lab 3.

Quarter Hours Credit 3. Prerequisite: None

ELC 1116 - Motor Control

This course is an introduction to control components, i.e., contractors, motor starters, pilot devices, code considerations, types of control, control circuits, analysis of control circuits, maintenance and troubleshooting of motor and control circuits including solid state.

Course Hours Per Week: Class 3, M. Lab 6.

Quarter Hours Credit 5. Prerequisite: ELM 1111

ELC 1120 - Electrical Calculations

This course is designed to improve the Industrial Electricity student's ability to solve problems relating to his or her field. Topics covered will include a review of series, parallel and combination circuits, power wire sizes, and line losses. Also included will be mathematics related to alternating current fundamentals including square root, Pythagorean Theorem,

and practical trigonometry. Specific problems related to the electrical code book will also be discussed when applicable. Course Hours Per Week: Class 5.

Quarter Hours Credit 5. Prerequisite: MAT 1101

ELN 1130 - Solid State Devices, Circuits, and Symbols

This course is an introduction to the theory and applications of solid state devices used in industry, especially solid state control circuits for motors and related equipment. Basic transistor circuits, vacuum tubes, and basic vacuum tube circuits are covered. Programmable control systems are examined and programmed.

Course Hours Per Week: Class 5, M. Lab 6.

Quarter Hours Credit 7.

Prerequisites: ELC 1105, BPR 1104, ELM 1111

FBG 1101 - Fiberglass Mold Making

Students will be introduced to the basics of constructing male and female molds for fiberglass production.

Course Hours Per Week: Class 4, M. Lab 9.

Quarter Hours Credit 7. Prerequisite: BTB 1112

HYD 1122 - Industrial Hydraulics II

A continuation of HYD 1121, this course will cover industrial hydraulic circuits and components including governors, valve control and instrument control in detail.

Course Hours Per Week: Class 1, M. Lab 3.

Quarter Hours Credit 2. Prerequisite: HYD 1121

MEC 1130 - Industrial Mechanics IV

This course will cover centrifugal and positive displacement type pumps and their principles of operation and theory. Training in assembly, parts replacement, packing and mechanical seal installation will be covered. Emphasis will be placed on motor pump alignment.

Course Hours Per Week: Class 5, M. Lab 9.

Quarter Hours Credit 8.

Prerequisites: MEC 1127, BPR 1104

NUR 101P - Fundamental of Nursing

This course introduces the student to nursing and to basic nursing knowledge and skills. Concepts of illness-wellness, basic needs, growth and development, stress and adaptation, and communication. The role of the LPN in the health care setting is addressed. The role of nutrition in meeting clients needs is correlated throughout the course. Selected nursing procedures are demonstrated and opportunities for practice and return demonstration of proficiency are provided in the laboratory setting. The student will have selected patient assignments in affiliating agencies and perform beginning nursing procedures. The nursing process is introduced as a systematic method of planning and providing nursing care. Course Hours Per Week: Class 4, Lab 6.

Quarter Hours Credit 7.

Prerequisite: Acceptance in the LPN Program Co/Prerequisites: BIO 1003, PSY 150

NUR 105P - Issues and Trends

This course is designed to present current issues and trends which impact on the nursing profession. Legal, ethical, economical, and professional concerns are examined.

Course Hours Per Week: Class 2.

Quarter Hours Credit 2. Prerequisite: None

NUR 1003 - Medical-Surgical Nursing I

Medical-Surgical Nursing is a two quarter course designed to acquaint the student to patients experiencing various types of common deviations in health. Med-Surg I is an introduction to the physical and psycho-social needs of the hospitalized adult experiencing illness. Homeostasis and the effects of stress are examined. Emphasis is placed on various types of common deviations in health, basic human growth and development and use of the nursing process to understand the nursing care needs of these patients. Nutrition and pharmacology are co-related to various types of illness and disease processes. Practice laboratory introduces and provides opportunity for practice of physical assessment, and more complex nursing skills. Clinical experiences in affiliating agencies are designed to provide opportunities to apply knowledge and learned technical skills and to develop beginning skills in use of the nursing process. Course Hours Per Week: Class 7, Lab 2, Clinical 12.

Quarter Hours Credit 12.

Prerequisites: BIO 1003, NUR 101P, PSY 150 Corequisites: ENG 118, PHM 1002, PSY 250

NUR 1005 - Medical-Surgical Nursing II

Medical-Nursing II is a continuation of NUR 1003 with examination of the physical and psycho-social needs of the patient experiencing various types of common deviations in health. Concepts from previous nursing and related courses are incorporated to continue examining the various types of illness and disease processes. The nursing process is utilized in both the classroom and clinical areas to identify and assist in meeting physiologic and psycho-social nursing care needs of patients. Nutrition and pharmacology are correlated to common illness and disease processes.

Course Hours Per Week: Class 10, Clinical 15.

Quarter Hours Credit 15. Prerequisite: NUR 1003 Corequisite: NUR 105P

NUR 1009 - Maternal-Child Health Nursing

This course is designed to assist the student in acquiring the fundamental knowledge required in maternity and pediatric nursing. The family's experience of pregnancy, birth and the postpartum period is presented with emphasis on the nurse's role in contributing to a successful outcome. The normal infant and the newborn experiencing difficulty are discussed. Care of the growing child and the family reinforces the students knowledge of growth and development of the child from infancy through adolescence. The child's experience of hospitalization presents the emotional impact of hospitalization on the family and the child at various age levels. The student is introduced to the etiology, treatment and nursing care of common disorders that affect the child from infancy through adolescence. The study of pharmacology as it related to the nurse's role in drug administration in maternal-child care is continued. The importance of nutrition and current nutritional trends are discussed. Content progresses from the simple to the

complex as the student continues to develop skill in the application of the nursing process. Clinical experiences are provided in acute, ambulatory, and outpatient settings. Course Hours Per Week: Class 8, Lab 2, Clinical 12.

Quarter Hours Credit 13.

Prerequisites: NUR 101P, BIO 1003, PSY 250, NUR 1003, PHM 1002

PBT 1101 - Basic Concepts in Phlebotomy

This course is an introduction to the Health Care Team and the Role of the Phlebotomist. The student will learn concepts of infection control, safety, quality assurance and liability. The student becomes familiar with blood collection equipment and understands the concepts of phlebotomy and venipuncture. The student will become familiar with various types of health care institutions and departments in which he/she must inter-

Course Hours Per Week: Class 4, Shop/Clinical 12.

Quarter Hours Credit: 8.

WWK 1110 - Modern Yacht Joiner Practice I

In this course the student will learn the necessary skills to rough-in the interior bulkheads, soles, furniture, and cabinetry in the modern yacht.

Course Hours Per Week: Class 3, M. Lab 6.

Quarter Hours Credit 5. Prerequisite: BTB 1110

WWK 1111 - Modern Yacht Joiner Practice II

This course is an extension of Modern Yacht Joiner Practice I. Emphasis is placed on the finished woodworking and trim. Doors, drawers, and moldings will be constructed. Production jigs to increase efficiency will be utilized. Modern oils, paints, and varnish applications will be practiced.

Course Hours Per Week: Class 2, M. Lab 6.

Quarter Hours Credit 4. Prerequisite: WWK 1110

DELETED COURSES

AHR	1113-A	DIE	1101-D
AHR	1113-B	ELC	1104-A
CAR	1101-A	ELC	1104-B
CAR	1101-B	MEC	1127-A
CAR	1101-C	MEC	1127-B
CAR	1101-D	WLD	1119-A
DIE	1101-A	WLD	1119-B
DIE	1101-B	WLD	1119-C
DIE	1101-C	WLD	1119-D

NOTE

This catalog addendum is published for the purpose of providing information about the college and its programs. Announcements contained herein are subject to change without notice and may not be regarded in the nature of binding obligations on the College or the State. Efforts will be made to keep changes to a minimum, but changes in policy by the North Carolina State Legislature, the Department of Community Colleges, or by local conditions may make some alterations in curricula, fees, etc., necessary

PRIVACY RIGHTS ACT OF PARENTS

AND STUDENTS

PUBLIC LAW 93-380—Cape Fear Community College adheres to the Guidelines developed by the Department of Health, Education and Welfare regarding the Privacy Rights of Parents and Students.

The College provides students and parents of dependent students access to official records directly related to them and limits dissemination of personally identifiable information without the students' consent. Students enrolled at Cape Fear Community College may review guidelines and procedures regarding Public Law 93-380 in the offices of Admissions and Records. Procedures for challenging such record may also be obtained in these offices.

NON-DISCRIMINATION POLICY

Cape Fear Community College's Board of Trustees and Staff recognize the importance of equal opportunity in all phases of the College's operations and have officially adopted a position of nondiscrimination on the basis of race, color, age, religion, national origin, physical handicap, or other non-relevant factors. This policy applies to both students and employees at all levels of the school's operations.

VISITORS

Visitors are always welcome at Cape Fear Community College. The Student Development office will provide guide service for groups or individuals on weekdays between 8:00 AM and 5:00 PM and will answer questions about the school and its programs. Prospective students are requested, when possible, to notify the Student Development office when they are going to visit. This will ensure that appropriate staff will be available for questions. The school is open until 10:00 PM Monday through Friday and individuals may visit at their convenience.



